

MEMORANDUM.

THE following summary of results has been deduced from the annexed table exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 11th December 1886 :—

1. That the birth-rate of these Municipalities stood at 26·8 per 1,000 of population, against the same rate in the preceding week ending 4th December, and the death-rate at 44·7 per 1,000 as opposed to 46·2 per 1,000, indicating a falling off in the registration of the events.

2. That births and deaths were returned at the highest rates from the following Municipalities :—

<i>Births.</i>			<i>Deaths.</i>		
		Ratio per mille.			Ratio per mille.
Naraingunge	...	70·4	Naraingunge	...	111·8
Durbhanga	...	58·2	Serampore	...	92·2
Serampore	...	51·0	Ranaghat	...	71·9
Monghyr	...	46·1	Suburbs of Calcutta	...	70·9
Beauleah	...	44·6	Hughli	...	64·5
Comillah	...	42·3	Bhagulpore	...	61·5
Hughli	...	40·3	Bali	...	56·1
Utterpara	...	37·8	Purneah	...	55·4
Gya	...	34·8	Beauleah	...	55·2
			Kishnaghur	...	47·3
			Dacca	...	42·2
			Gya	...	39·7
			Patna	...	38·6
			Comillah	...	38·5
			Monghyr	...	38·0
			Mozufferpore	...	37·7
			Burdwan	...	36·6
			Midnapore	...	35·6
			Santipore	...	35·1
			Puri	...	33·6

3. That the mortality from the principal diseases contrasted with the mortality from the same causes in the preceding week stands as follows :—

			Ratio per mille during the weeks ending—	
			11th December 1886.	4th December 1886.
Cholera	...	...	11·7	12·9
Small-pox	...	...	·03	...
Fever	...	...	16·6	16·5
Bowel-complaints	...	...	6·3	6·7
Injury	...	...	·3	·1
Other causes	...	...	9·7	10·0

indicating, chiefly, that the severity of cholera had on the whole declined markedly.

4. That while only one town (Purneah) exhibited fatal results from small-pox, and that not to a noticeable extent, and injury shewed no conspicuous fatality anywhere, the under-mentioned Municipalities returned the highest death-rates from cholera, fever, bowel-complaints and the maladies classed under the head of "Other causes" :—

<i>Cholera.</i>		<i>Fever.</i>		<i>Bowel-complaints.</i>		<i>Other causes.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Naraingunge	70·4	Beauleah	42·0	Serampore	19·6	Naraingunge	24·8
Ranaghat	47·9	Hughli	38·9	Purneah	17·3	Serampore	23·5
Bali	35·1	Comillah	30·8	Suburbs of Calcutta	13·2	Gya	22·5
Bhagulpore	24·4	Serampore	29·5	Puri	12·6	Kishnaghur	15·1
Santipore	22·8	Purneah	27·7			Suburbs of Calcutta	14·9
Suburbs of Calcutta	21·1	Burdwan	25·9			Bhagulpore	11·8
Hughli	20·1	Ranaghat	24·0			Dacca	10·4
Serampore	19·6	Monghyr	23·5				
Kishnaghur	13·2	Midnapore	23·2				
Dacca	13·0	Suburbs of Calcutta	21·5				
Patna	11·3						
Mozufferpore	7·3						
Howrah	5·7						
Durbhanga	5·5						

It is observable that cholera prevailed with marked severity in the Naraingunge, Ranaghat and Bali towns, and fever in the Beauleah and Hughli towns.

5. That the death-rates in relation to *Sex*, *Class* and *Age*, stood as noted below :—

<i>According to Sex.</i>		<i>According to Class.</i>		<i>According to Age.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	45·0	Christians	55·2	Under 1 year	245·2
Females	44·3	Hindus	44·4	1 and under 5 years	68·7
Ratio of male deaths to every 100 female deaths	115	Mahomedans	45·1	5 " " 10 "	26·6
				10 " " 15 "	14·0
				15 " " 20 "	31·9
				20 " " 30 "	32·2
				30 " " 40 "	33·4
				40 " " 50 "	37·0
				50 " " 60 "	52·4
				60 years and upwards	105·9

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 3rd January 1887.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 11th December 1886.

		1		2		3		4		5		6		7		8		9		10		11		12															
		POPULATION.												BIRTHS.												MORTALITY ACCORDING TO—												Sex.	
		NAMES OF MUNICIPALITIES.						NUMBER OF—						RATIO PER 1,000 OF POPULATION PER ANNUM.						DEATHS FROM—						RATIO PER 1,000 OF POPULATION PER ANNUM.						Ratio of male deaths to every 100 female deaths.							

of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of deaths in the above table, except "Age," the ratios under which have been omitted, inasmuch as

MORTALITY ACCORDING TO—

DISTRICTS.		NAMES OF MUNICIPAL- PALITIES.		DEATHS AMONG—				DEATHS.				AGE.																RATIO PER 1,000 OF POPULATION PER ANNUM.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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				Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up-wards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up-wards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Burdwan	...	9	15

OFFICE OF SANITARY COMMISSIONER FOR BENGAL.
The 3rd January 1887.

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 1st January 1887, compared with the corresponding week of the previous year.

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 1ST JANUARY 1887.			WEEK ENDING SATURDAY, THE 2ND JANUARY 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	1 717	1,85 335	3,043	1,558	2,20,400	3,648
Jute ...	191	1,23,200	2,164	144	89,255	1,423
Firewood ...	98	42,875	721	117	58,825	687
Other articles ...	1,285	2,83,035	4,656	1,180	2,23,621	3,702
Total ...	3,291	6,34,445	10,584	2,999	5,92,101	9,460

Weekly Return of Traffic Receipts on Indian Railways.

KAUNIA AND DHARLLA STATE RAILWAY.

Approximate Return of Traffic for week ended 18th December 1886, on 37 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchan- dise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,082	1,066 0 0	5,642 0	248 0 0	1,417 0 0	2,731 0 0	259	269	528
Or per mile of railway ...	56	29 0 0	152 0	7 0 0	.....	36 0 0	7	7	14
For previous 24 weeks of half- year ...	41,521	17,633 0 0	92,535 0	5,463 0 0	27,978 0 0	51,074 0 0*	5,919	5,939	11,858
Total for 25 weeks ...	43,603	18,699 0 0	98,177 0	5,711 0 0	29,395 0 0	53,805 0 0	6,178	6,208	12,386
COMPARISON.									
Total for corresponding week of previous year ...	1,696	777 0 0	4,280 0	250 0 0	1,303 0 0	2,330 0 0	259	259	518
Per mile of railway correspond- ing week of previous year ...	46	21 0 0	116 0	7 0 0	.....	28 0 0	7	7	14
Total to corresponding date of previous year ...	36,984	17,377 0 0	56,063 0	4,299 0 0	31,695 0 0	53,361 0 0	6,295	6,295	12,590

* Audited up to week ending 6th November 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Kaunia and Dharlla State Railway.

RECEIPTS FOR WEEK ENDING 19TH DECEMBER 1885.			RECEIPTS FOR WEEK ENDING 18TH DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 19TH DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 18TH DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
37	2,330	63	37	2,731	74	37	89,930	64	37	83,834*	60	.....	6,096

* Audited up to week ending 6th November 1886.

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the week ended 18th December 1886, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings inclusive steam-boat (estimated.)	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	20,460	13,530 0 0	1,16,474 0	28,790 0 0	5,200 0 0	47,520 0 0	5,160	8,070	13,236
Or per mile of railway ...	82	54 0 0	468 0	116 0 0	.....	179 0 0	21	32	53
For previous 24 weeks of half-year ...	445,752	3,21,019 0 0	32,83,223 0	7,60,203 0 0	1,26,788 0 0	12,17,070 0 0*	115,470	201,124	316,594
Total for 25 weeks ...	466,212	3,34,549 0 0	33,99,697 0	7,98,053 0 0	1,31,988 0 0	12,64,560 0 0	120,630	209,194	329,824
COMPARISON.									
Total for corresponding week of previous year ...	19,454	14,217 6 8	1,54,076 0	37,394 5 0	6,575 5 2	58,190 0 10	4,920	10,002	14,922
Per mile of railway corresponding week of previous year ...	78	57 1 7	619 0	150 2 10	.....	207 4 5	20	40	60
Total to corresponding date of previous year ...	427,563	3,18,418 15 4	25,46,641 0	6,30,507 15 9	1,07,388 10 6	10,65,315 9 7	116,248	193,820	310,068

* Audited up to week ending 6th November 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Northern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 19TH DECEMBER 1885.			RECEIPTS FOR WEEK ENDING 18TH DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 19TH DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 18TH DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Per mile worked.		
240	Rs. 58,190	Rs. 234	249	Rs. 47,520	Rs. 191	Rs. 15,51,243	Rs. 164	249	Rs. 18,77,930*	Rs. 198	Rs. 3,26,687		

* Audited up to week ending 6th November 1886.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 18th December 1886 ...	...	...	...	...	...	Rs. A. P. 7,224 0 0
Corresponding week last year ...	...	...	...	...	...	7,350 0 0
Decrease ...	...	...	...	...	...	126 0 0
Receipts from 1st July to 18th December 1886 ...	...	...	...	...	...	2,37,238 0 0
From 1st July to 19th December 1885 ...	...	...	...	...	...	2,13,039 0 0
Increase ...	...	...	...	...	...	24,199 0 0
Miles open week ending 18th December 1886 ...	...	...	...	...	...	Miles. 51
Corresponding week last year ...	...	...	...	...	...	50 $\frac{3}{4}$
Increase ...	...	...	...	...	...	$\frac{1}{4}$
Receipts per mile open week ending 18th December 1886 ...	...	...	...	...	...	Rs. A. P. 141 10 4
Corresponding week last year ...	...	...	...	...	...	144 13 5
Decrease ...	...	...	...	...	...	3 3 1

CHIEF OFFICE, DARJEELING the 30th December 1886.

W. STEVENSON, Secretary, D. H. Ry.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 12, 1887.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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DISTRICT ROAD FUND.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

ROAD CESS.

Calcutta, the 6th January 1887.

No. 34R.C.

READ—

Letter from the Accountant-General, Bengal, No. 677L.F., dated the 29th December 1886, submitting an abstract of receipts and expenditure of the several District Road Committees in Bengal for the quarter ending the 30th June 1886.

RESOLUTION.

THE Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees for the third quarter of the cess year 1885-86 be published in the *Calcutta Gazette* and circulated to the officers concerned.

ORDER.—Ordered that a copy of this resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette*.

Ordered also that a copy of this resolution, and of the abstract referred to, be forwarded to all Commissioners of Divisions, to all Superintending Engineers of Public Works Circles in Bengal, and to the Financial Department of this Government for information.

DISTRICT

Statement of Receipts and Expenditure of the several District

RECE									
DISTRICTS.	Balance in treasury on 1st April 1886.	PROVINCIAL RATES.					Interest on arrears of road cess.	PUBLIC	
		Cess on lands.	Cess on mines and railways.	Cess on houses.	One per cent. road cess.	Total.		Road tolls	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan	74,334 5 10	30,786 10 1	6,953 3 0	.....	.....	37,739 13 1	451 3 5	.....	.....
Bankoora	23,484 6 2	15,061 5 8	20 0 0	.....	.....	15,081 6 2	279 15 11	.....	.....
Beerbhoom	24,494 5 1	15,381 4 9	.....	.....	.....	15,381 4 9	83 9 7	.....	.....
Midnapore	1,05,016 0 5	31,476 4 1	.....	.....	.....	31,476 4 1	525 12 3	.....	.....
5 Hooghly and Howrah	27,940 2 2	35,043 6 8	.....	.....	.....	35,043 6 8	1,487 15 7	.....	.....
24 Pargunnahs	24,080 0 3	24,638 12 5	.....	.....	.....	24,638 12 5	646 9 8	.....	.....
Nuddea	17,443 7 6	16,666 3 1	.....	.....	.....	16,666 3 1	189 6 2	.....	.....
Jessore	12,242 13 9	20,676 4 3	.....	.....	.....	20,676 4 3	194 7 7	.....	.....
Khoolna	47,555 1 1	13,296 7 11	.....	.....	.....	13,296 7 11	61 0 8	.....	.....
10 Moorshedabad	25,602 10 3	15,527 15 5	.....	.....	.....	15,527 15 5	55 5 9	.....	.....
Dinapore	18,196 1 7	22,998 4 9	.....	.....	.....	22,998 4 9	68 7 1	.....	.....
Rajshahye	25,927 7 4	22,664 2 1	.....	.....	.....	22,664 2 1	83 13 10	.....	.....
Rungpore	51,643 7 1	30,305 15 9	.....	.....	.....	30,305 15 9	135 5 8	.....	.....
Bogra	35,346 1 8	10,423 7 7	.....	.....	.....	10,423 7 7	67 2 6	.....	.....
15 Pubna	45,366 6 3	12,849 13 4	.....	.....	.....	12,849 13 4	274 15 8	.....	.....
Darjeeling	22,181 0 2	2,564 1 3	126 8 3	.....	.....	2,690 9 6	6 3 6	.....	.....
Jalpigoree	8,975 0 5	7,734 15 9	.....	.....	.....	7,734 15 9	75 14 0	.....	.....
Dacca	85,699 9 2	17,296 11 4	.....	.....	.....	17,296 11 4	439 10 6	.....	.....
Furzedpore	9,257 3 0	13,237 3 11	.....	.....	.....	13,237 3 11	422 7 10	.....	.....
20 Backergunge	50,260 9 2	24,452 10 1	.....	.....	.....	24,452 10 1	647 14 10	.....	.....
Tippurah	81,549 9 9	21,735 6 6	.....	.....	.....	21,735 6 6	328 10 3	.....	.....
Mymensingh	1,08,256 2 11	30,826 2 1	.....	.....	.....	30,826 2 1	220 3 0	.....	.....
Chittagong	47,804 1 5	34,930 14 5	.....	.....	.....	34,930 14 5	188 10 6	.....	.....
Noakholly	23,640 0 10	17,606 6 11	.....	.....	.....	17,606 6 11	101 3 6	.....	.....
25 Patna	67,533 6 6	48,042 11 6	.....	.....	.....	48,042 11 6	541 12 3	.....	.....
Gya	92,474 12 5	40,828 15 7	16 1 6	.....	.....	40,845 1 1	377 10 3	.....	.....
Shahabad	54,818 8 3	31,829 7 7	12 13 9	.....	.....	31,842 5 4	541 1 4	.....	.....
Mozufferpore	31,872 12 9	43,305 12 6	.....	.....	.....	43,305 12 6	614 14 3	.....	.....
Durbhunga	1,02,148 3 6	43,623 14 4	.....	.....	.....	43,623 14 4	1,400 4 7	.....	.....
30 Sarun	1,28,654 15 2	37,091 8 3	.....	.....	.....	37,091 8 3	605 10 9	.....	.....
Chumparun	10,815 4 10	27,505 2 1	738 11 9	.....	.....	28,243 13 10	140 13 7	.....	.....
Monghyr	38,291 7 11	45,353 6 0	.....	.....	.....	45,353 6 0	388 14 3	.....	.....
Bhagulpur	52,551 4 1	29,893 2 0	.....	.....	.....	29,893 2 0	131 6 8	.....	.....
Purneah	15,715 14 7	20,652 4 4	.....	.....	.....	20,652 4 4	56 5 1	.....	.....
35 Maldah	15,805 5 8	7,219 8 1	.....	.....	.....	7,219 8 1	108 1 5	.....	.....
Cuttack	27,981 11 1	29,767 4 11	.....	.....	.....	29,767 4 11	246 1 2	.....	.....
Poorce	279 3 1	11,114 1 6	.....	.....	.....	11,114 1 6	195 2 10	.....	.....
Balasore	18,329 1 3	12,067 13 9	.....	.....	.....	12,067 13 9	189 3 9	.....	.....
Hazaribagh	23,124 2 9	6,669 13 4	1,842 5 4	.....	.....	8,512 2 8	31 1 11	.....	.....
40 Lohardugga	30,940 15 8	3,598 8 4	0 3 0	.....	.....	3,598 11 4	41 7 2	.....	.....
Manbhoom	18,257 4 8	12,422 6 0	970 12 2	.....	.....	13,393 2 2	422 3 1	.....	.....
Total	17,22,702 7 5	9,38,986 10 2	10,680 11 3	.....	.....	9,49,667 5 5	18,076 3 7	.....	.....
NON-CESS DISTRICTS.									
Chittagong Hill Tracts	6,269 2 3	.....	.....	.....	.....	.....	.....	.....	.....
Sonthal Pargunnahs	4,150 4 0	.....	.....	.....	.....	.....	.....	.....	.....
44 Singbhoom	8,719 9 6	.....	8 7 9	.....	.....	8 7 9	.....	.....	.....
Total	19,139 15 9	.....	8 7 9	.....	.....	8 7 9	.....	.....	.....
GRAND TOTAL	17,41,931 7 2	9,38,986 10 2	10,689 3 0	.....	.....	9,49,675 13 2	18,076 3 7	.....	.....

FORT WILLIAM,

The 20th December 1886.

IPTS.

WORKS.		IRRIGATION.	MISCELLANEOUS.				DISTRICTS.
Ferry tolls.	Total.	Canal tolls.	Rent of serais and staging bungalows.	Fees, fines, and forfeitures.	Miscellaneous.	Total.	
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
.....	6 0 0	1 0 0	3,785 5 3	3,792 5 3	Burdwan ... 1
.....	113 0 0	53 13 6	62 0 9	115 14 3	Bankura ...
.....	684 5 6	9 6 6	806 11 6	Beerbhoom ...
.....	107 12 9	412 11 9	610 8 6	Midnapore ...
.....	3,277 12 0	1,268 11 0	4,446 10 0	Hoochly and Howrah ... 5
.....	116 0 6	89 15 6	632 10 0	722 9 6	24-Pericunnabs ...
.....	84 15 6	554 9 6	755 9 6	Nutdea ...
.....	2 14 6	175 9 6	178 8 0	Jessore ...
.....	0 12 0	45 8 0	46 4 0	Khoolna ...
.....	7 6 0	269 6 9	276 12 9	Moorsshedabad ... 10
.....	11 8 0	82 14 0	30 8 0	124 14 0	Dinapore ...
.....	169 0 0	180 15 0	45 19 6	341 9 6	Rajshahye ...
.....	620 6 0	60 0 0	680 6 0	Bungpore ...
.....	0 8 0	109 1 9	109 9 9	Bogra ...
.....	30 0 0	88 13 6	118 13 6	Pubna ... 15
.....	245 2 0	9 0 0	13 0 2	22 0 2	Darjeeling ...
3,641 4 0	3,641 4 0	.....	.....	0 10 0	3,034 3 5	3,282 15 5	Julpigoree ...
.....	624 9 0	36 5 6	660 14 6	Dacca ...
.....	227 8 0	14 8 3	242 0 3	Furzedpore ...
.....	798 8 4	50 6 0	848 11 4	Backergunge ... 20
.....	367 13 3	1,104 10 0	1,472 7 3	Tipperah ...
.....	2,057 0 0	3 0 0	1,071 3 6	.....	1,071 3 6	Mymensingh ...
.....	61 5 6	814 15 6	879 4 6	Chittagong ...
.....	10 4 0	30 10 10	40 14 10	Naakholly ...
.....	393 14 0	123 7 9	57 7 2	574 12 11	Patna ... 25
.....	52 14 0	671 13 0	56 10 3	781 5 3	Gya ...
.....	71 8 0	191 9 6	19 0 0	192 1 6	Shahabad ...
.....	34 0 0	34 4 0	138 9 0	206 13 0	Mozufferpore ...
.....	52 4 0	3,044 13 4	30 0 0	3,127 1 4	Durbhunga ...
.....	150 8 0	95 1 0	184 6 0	429 15 0	Sarun ... 30
.....	9 4 0	9 4 0	Chumparun ...
.....	606 3 0	184 5 3	790 8 8	Monghyr ...
.....	11 8 0	183 6 0	141 2 4	336 0 4	Bhagulpur ...
.....	0 8 0	7 8 0	0 2 6	8 2 6	Purneah ...
.....	12 0 0	105 9 9	117 9 9	Maldah ... 35
.....	373 6 5	921 1 9	94 12 4	1,389 4 6	Cuttack ...
.....	288 4 0	39 0 2	327 4 2	Pooroe ...
.....	21 0 0	62 14 0	27 0 0	110 14 0	Balasore ...
.....	24 8 0	73 12 0	94 1 0	192 5 0	Hozeribagh ...
.....	0 8 0	17 12 0	145 16 9	164 3 9	Lohardugga ... 40
.....	259 0 0	108 7 9	.....	367 7 9	Manbhoom ...
5,415 8 0	5,415 8 0	2,057 0 0	2,052 0 11	14,784 4 5	13,976 4 11	30,812 10 3	Total.
.....	111 4 0	.....	49 11 3	49 11 3	Chittagong Hill Tracts ...
.....	31 0 0	142 4 0	Sonthal Pergumaha ...
.....	111 4 0	.....	80 11 3	191 15 3	Singbhoon ... 44
5,415 8 0	5,415 8 0	2,057 0 0	2,163 4 11	14,784 4 5	14,057 0 2	31,004 9 6	GRAND TOTAL.

CES DISTRICTS.

NON-CES DISTRICTS.

RECE

DISTRICTS.	Grant from Government.	SUSPENSE ACCOUNTS.			Total receipts.
		Advances.	Deposits.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan ... ..	.....	243 2 0	210 0 3	453 2 3	42,436 8 0
Bankoora ... ..	.....	155 8 0	.....	155 8 0	15,632 12 4
Beerbhoom ... ..	.....	839 0 0	.....	839 0 0	17,101 9 10
Midnapore	5,513 8 6	3,537 1 10	1,990 5 9	5,527 7 7	43,653 8 11
5 Hooghly and Howrah ... ..	.....	517 13 5	.....	517 13 5	41,918 0 3
24-Pergunnahs ... ..	.....	3,011 1 0	84 14 0	3,095 15 0	26,535 12 6
Nudda ... ..	.....	213 0 9	.....	2,113 0 9	20,097 1 9
Jessore ... ..	.....	2,484 6 6	.....	2,484 6 6	23,162 4 7
Khoolna	412 1 0	1,596 3 5	.....	1,596 3 5	16,390 4 1
10 Moorshedabad ... ..	.....	4,395 14 9	.....	4,3 5 14 9	17,354 5 4
Dinagopore ... ..	.....	7,071 3 0	.....	7,071 3 0	27,407 8 7
Rajshahye ... ..	.....	14,339 4 0	30 0 0	14,369 4 0	30,100 12 5
Rangpore ... ..	.....	2,117 11 0	28 7 9	2,145 8 9	45,441 15 5
Bohla	735 13 7	5,010 2 8	.....	5,060 2 8	13,512 4 8
15 Pubna	107 12 3	1,137 3 7	.....	1,167 3 7	18,411 9 5
Darjeeling	796 9 2	2,792 3 3	.....	2,792 3 3	4,672 9 4
Jalpigore	125 0 0	5,952 2 11	.....	5,952 2 11	14,911 0 5
.....	394 6 10	1,912 2 0	1,445 6 9	3,357 8 9	28,385 2 1
Furzedpore	1,281 10 4	3,672 11 3	.....	3,672 11 3	18,440 15 1
23 Backergunge	1,968 4 3	641 14 3	.....	641 14 3	31,500 3 9
Tipperah ... ..	.....	7,335 15 3	1,124 0 0	8,459 15 3	24,178 6 3
Mymensingh ... ..	.....	2,566 3 8	54 4 0	2,620 7 8	49,587 7 10
Chittagong ... ..	.....	1,363 5 6	80 0 0	1,443 5 6	49,636 5 1
Nonkhally ... ..	.....	967 13 0	2,371 0 0	3,338 13 0	10,397 14 9
25 Patna ... ..	.....	7,986 7 1	6,800 7 0	14,786 14 1	52,498 1 8
Gya	450 0 0	2,161 0 9	100 0 0	2,261 0 9	57,230 14 8
Shahabad ... ..	.....	329 9 0	1,595 14 11	1,925 7 11	34,836 8 17
Mozufferpore ... ..	.....	1,830 13 5	.....	1,830 13 5	43,052 15 8
Durgha ... ..	.....	11,673 7 4	72 0 0	11,745 7 4	49,982 1 8
30 Saran	1,800 0 0	1,833 14 5	.....	1,833 14 5	49,871 9 4
Chumpanun ... ..	.....	3,162 3 2	735 0 0	4,187 3 2	32,427 13 10
Monghyr ... ..	.....	2,629 1 10	3,112 10 0	5,741 11 10	50,719 15 8
Bangulpur	137 6 5	5,393 15 11	.....	5,393 15 11	56,239 11 3
Purneah ... ..	.....	7,682 13 1	338 14 0	8,021 11 1	26,483 15 10
35 Maldah ... ..	.....	312 12 0	.....	312 12 0	16,867 14 4
Cuttack ... ..	.....	415 5 6	.....	415 5 6	21,715 6 7
Pooree	1,471 15 8	152 4 0	.....	152 4 0	13,523 13 8
Balasore ... ..	.....	468 9 10	272 0 0	740 9 10	12,520 3 6
Hazaribagh ... ..	.....	1,320 7 11	890 0 0	2,210 7 11	9,411 3 5
40 Lohardugga ... ..	.....	.....	.....	.....	5,321 14 2
Manbhoom ... ..	.....	.....	.....	.....	14,182 13 0
Total ...	12,194 8 0	1,23,532 0 9	21,541 4 5	1,44,873 5 2	11,61,096 8 5
NON-CES DISTRICTS.					
Chittagong Hill Tracts ...	.....	951 15 6	.....	951 15 6	1,091 16 9
Sonthal Pergunnahs ...	54,000 0 0	1,164 3 6	.....	1,164 3 6	35,306 7 6
44 Singbhoom ... ..	.....	102 5 6	.....	102 5 6	119 13 3
Total ...	54,000 0 0	2,219 8 6	.....	2,218 8 6	36,418 15 6
GRAND TOTAL ...	49,194 8 0	1,25,750 9 3	21,311 4 5	1,47,091 13 8	11,97,515 7 11

EXPEN

DISTRICTS.	REFUNDS.			PROVINCIAL RATES.	ADMINISTRATION.		
	Cess.	Other receipts.	Total.	Establishment and contingencies of office of collection.	Establishment and contingencies of Committee's office.	Percentage cost of establishment for offices of account and control.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan	16,104 5 0	16,104 5 0	1,455 0 3	444 14 1	.....	444 14 1
Bankoora	1,683 15 4	243 7 8	.....	243 7 8
Beerbhoom	521 6 9	211 5 10	.....	211 5 10
Midnapore	1,223 14 0	540 0 3	.....	540 0 3
5 Hooghly and Howrah	70 4 3	350 0 0	420 4 3	2,675 7 7	584 14 11	.....	584 14 11
24 Pergunnahs	55 0 3	.....	55 0 3	1,320 3 8	417 7 6	.....	417 7 6
Nuddea	785 1 3	416 4 0	.....	416 4 0
Jessore	1,080 15 2	840 7 8	.....	840 7 8
Khoolna	762 7 9	342 5 3	.....	342 5 3
10 Moorsheadabad	850 14 7	233 3 0	.....	233 3 0
Dinapore	11 15 0	11 15 0	654 7 1	256 0 0	.....	256 0 0
Rajshahje	361 4 9	361 4 9	623 7 3	812 5 6	.....	812 5 6
Rungpore	734 3 2	734 3 2	1,136 15 9	1,280 12 0	.....	1,280 12 0
Bogra	549 11 3	239 15 9	.....	239 15 9
15 Pubna	50 8 0	50 8 0	630 1 0	292 14 6	.....	292 14 6
Darjeeling	258 9 0	323 0 0	.....	323 0 0
Julpore	345 3 6	334 8 6	.....	334 8 9
Dacca	328 4 3	328 4 3	1,496 14 2	713 10 3	.....	713 10 3
Furzedpore	1,491 3 10	372 6 8	.....	372 6 8
20 Backergunge	336 11 10	336 11 10	4,857 11 10	462 14 0	.....	462 14 0
Tipperah	23 8 0	23 8 0	1,466 12 1	484 2 6	.....	484 2 6
Mymensingh	2,164 1 0	533 8 6	.....	533 8 6
Chittagong	2,132 10 2	669 9 9	.....	669 9 9
Noakholly	15 4 9	165 5 3	180 10 0	943 8 9	379 8 6	.....	379 8 6
25 Patna	898 1 11	1,301 11 6	.....	1,301 11 6
Gya	192 6 9	192 6 9	2,773 14 9	1,008 5 0	.....	1,008 5 0
Shahabad	26 8 9	26 8 9	916 14 0	380 8 0	936 12 0	1,317 4 0
Mozufferpore	882 7 4	937 0 6	.....	937 0 6
Durbhunga	1,068 15 2	477 2 0	.....	477 2 0
30 Saran	161 8 4	722 5 6	.....	722 5 6
Chumpanan	1,619 6 5	248 19 5	.....	248 19 5
Monghyr	729 6 3	465 8 9	.....	465 8 9
Rhagulpur	131 11 0	.....	131 11 0	650 0 0	548 3 6	.....	548 3 6
Parneah	359 9 6	380 13 6	.....	380 13 6
35 Maldah	306 9 0	245 4 9	.....	245 4 9
Cuttack	16 5 3	16 5 3	1,041 12 4	220 8 0	.....	220 8 0
Peoree	254 10 7	465 14 8	.....	465 14 8
Balasore	835 5 9	207 14 4	.....	207 14 4
Hazaribach	233 6 0	238 4 0	.....	238 4 0
40 Lohardugga	563 9 6	104 5 2	.....	104 5 2
Manbhoom	55 2 5	87 8 0	142 10 5	616 4 2	404 15 8	.....	404 15 8
Total	327 6 8	18,788 14 0	19,116 4 8	45,775 8 0	19,287 1 7	936 12 0	20,223 13 7
NON-CESS DISTRICTS.							
Chittagong Hill Tracts	1 8 0	.....	1 8 0
Senthal Pergunnahs	238 2 0	.....	238 2 0
44 Singbhoom	81 15 0	.....	81 15 0
Total	321 9 0	.....	321 9 0
GRAND TOTAL	327 6 8	18,788 14 0	19,116 4 8	45,775 8 0	19,608 10 7	936 12 0	20,545 6 7

IPTS.

Balance of imprests in hands of Engineers and others decreased.	Balance of uncashed cheques increased.	Total receipts, including balance.	Outlay.	Balance in treasury on 30th June 1886.	DISTRICTS.
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
14 13 0	110 3 3	1,10,770 13 10	62,525 7 3	54,245 6 7	Burdwan ... 1
500 0 0	3,108 6 3	39,117 2 6	12,536 12 1	26,580 6 5	Bankoora ...
	207 0 0	41,650 15 2	8,991 5 1	32,639 10 1	Beerbhoom ...
	2,872 9 10	1,51,837 15 7	66,274 10 10	91,563 4 9	Midnapore ...
1,652 15 11	65,508 5 1	65,958 2 5	39,175 9 10	88,782 8 7	Hooghly and Howrah ... 5
24 15 3	41,691 14 10	51,312 12 9	35,907 7 3	16,393 5 6	24-Pergunnahs...
204 5 3	45,807 15 5	58,140 9 3	27,235 9 9	16,904 13 6	Nuddea ...
207 7 6	56,688 3 9	57,352 14 0	24,250 2 4	14,027 9 10	Jessore ...
500 0	48,835 6 4	48,835 6 4	14,129 10 4	36,693 7 3	Rhoolna ...
	64,277 15 8	64,277 15 8	15,381 1 6	27,592 11 5	Moorsheadabad ... 10
	26,853 10 1	26,853 10 1	6,751 1 11	24,069 10 0	Dinapore ...
	22,086 0 10	22,086 0 10	21,109 9 3	24,908 14 11	Rajshahye ...
20 14 4	1,14,084 11 3	1,14,084 11 3	33,716 14 9	35,490 2 2	Runkpore ...
2,578 13 0	27,819 0 5	27,819 0 5	23,544 11 1	34,728 12 0	Bogra ...
	84,229 9 11	84,229 9 11	51,250 0 4	48,896 14 2	Pubna ... 15
	1,05,728 0 0	1,05,728 0 0	27,907 1	21,192 8 2	Darjeeling ...
7,278 3 3	1,56,121 14 0	1,56,121 14 0	61,849 9 3	1,876 7 7	Julpigoree ...
	88,470 6 6	88,470 6 6	33,896 3 10	89,367 12 6	Dacca ...
1,201 6 0	44,239 5 7	44,239 5 7	24,432 11 0	4,274 5 4	Furzedpore ...
	1,20,031 8 2	1,20,031 8 2	41,614 6 0	52,079 9 7	Backergunge ... 20
336 1 10	1,50,961 12 11	1,50,961 12 11	1,10,597 4 9	78,720 11 11	Tipperah ...
598 0 4	90,354 13 8	90,354 13 8	33,575 10 10	94,272 4 9	Mymensingh ...
301 11 3	78,227 7 8	78,227 7 8	39,972 1 9	54,574 2 8	Chittagong ...
2,664 13 5	1,54,795 2 7	1,54,795 2 7	32,582 8 6	19,805 10 7	Noakholly ...
	1,78,324 8 6	1,78,324 8 6	43,375 15 8	78,417 2 2	Patna ... 25
1,073 7 10	43,916 10 6	43,916 10 6	27,933 2 11	39,464 8 2	Gya ...
26 2 0	88,947 9 7	88,947 9 7	39,891 9 11	56,779 2 10	Shahabad ...
719 15 11	89,510 15 3	89,510 15 3	36,717 1 8	38,255 5 11	Mozufferpore ...
41 4 9	42,241 3 2	42,241 3 2	21,507 13 5	1,23,212 10 1	Durbanunga ...
597 8 0	33,270 12 0	33,270 12 0	14,929 8 7	1,35,150 8 10	Sarun ... 30
200 6 1	58,997 7 9	58,997 7 9	13,101 6 3	15,983 7 7	Chumprun ...
	13,794 0 9	13,794 0 9	12,394 14 10	68,055 15 8	Monshyr ...
1,054 13 3	31,895 2 0	31,895 2 0	13,477 12 1	52,793 13 7	Bhagalpur ...
144 3 11	32,679 10 1	32,679 10 1	8,095 15 1	20,733 5 9	Purneah ...
71 3 9	36,937 1 7	36,937 1 7	16,836 11 9	18,341 3 5	Maldah ... 35
6 5 3	32,445 6 11	32,445 6 11	4,238 2 20	45,896 1 6	Cuttack ...
				1,399 1 11	Poorce ...
				18,417 5 11	Balasore ...
				24,583 11 0	Hazaribagh ...
				20,080 5 10	Lohardugga ...
				28,298 4 1	Manbhoom ... 40
1,284 2 2	27,955 12 5	29,12,228 14 5	12,14,481 7 11	16,97,747 6 6	Total.
23 1 9	111 5 0	7,370 13 0	2,351 4 6	4,919 8 6	Chittagong Hill Tracts ...
	556 14 0	39,598 0 6	6,961 1 1	32,606 15 5	Sonchal Pergunnahs ...
		9,410 6 6	2,819 13 6	6,590 9 0	Singbhoom ... 41
23 1 9	668 3 0	56,249 4 0	12,132 3 1	44,117 0 11	Total.
1,307 5 11	27,723 15 5	20,68,478 2 5	12,26,613 11 0	17,41,864 7 5	GRAND TOTAL.

Cess Districts.

Non-Cess Districts.

DITURE.

STATIONERY.		PUBLIC WORKS.						DISTRICTS.	
Stationery and printing.	Original works.	Repairs.	Establishment.	Tools and plant.	Toll and ferry establishment and contingencies.	Establishment of Divisional Superintendent of Works.			
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
73 2 3	8,515 11 4	23,838 1 6	3,240 10 3	252 10 0	.....	4,329 6 6	Burdwan	1
68 6 9	3,265 13 9	3,937 0 9	1,457 1 2	.....	.....	.....	Bankura	.....
.....	2,312 13 6	1,489 15 9	2,266 15 3	243 0 0	.....	.....	Boerhoom	.....
823 14 9	12,366 0 0	29,213 5 3	5,079 14 6	.....	.....	2,904 0 0	Mittanpore	.....
44 4 0	88 6 0	15,705 3 0	4,627 2 6	278 6 6	.....	.....	Hoochly and Howrah	5
87 5 3	2,969 9 6	24,198 5 7	4,385 0 3	2 8 0	.....	.....	24-Pergunnahs	.....
38 2 9	920 5 0	17,292 3 3	2,427 6 3	.....	.....	.....	Nuddea	.....
45 13 6	1,069 9 2	14,151 1 1	3,902 3 6	388 10 9	.....	.....	Jessore	.....
2 2 2	10,446 15 3	11,573 13 10	2,235 8 6	689 14 9	.....	.....	Khosla	.....
27 15 0	9 12 9	8,546 5 11	2,735 2 5	155 11 0	.....	.....	Mooredabad	10
37 5 6	5,036 5 9	7,786 10 4	8,259 4 0	632 3 0	.....	3,056 14 9	Dumagapore	.....
189 10 3	2,803 4 4	10,333 9 9	2,825 7 0	450 7 0	.....	2,525 12 6	Rajshahiye	.....
125 6 0	32,343 15 6	3,907 6 9	3,788 12 9	801 5 8	.....	4,759 0 0	Rungpore	.....
2 1 6	807 7 6	6,711 4 10	1,720 7 3	93 7 0	.....	1,577 10 6	Bogra	.....
134 0 3	1,292 8 3	5,998 14 4	1,666 3 9	.....	.....	1,998 9 0	Pubna	15
5 9 0	.....	1,854 2 1	927 11 6	.....	.....	.....	Darjeeling	.....
1 8 0	11,289 6 6	3,070 7 9	1,973 12 9	140 5 9	.....	1,536 3 0	Jalpiroree	.....
199 7 3	12,204 15 1	8,062 0 9	2,309 14 0	1 11 6	2,349 12 3	357 14 9	Dacca	.....
16 13 5	11,393 6 0	1,643 9 2	1,954 2 0	0 2 0	.....	.....	Furzedpore	.....
131 5 2	11,428 2 3	3,577 9 0	2,406 11 3	112 9 0	1,590 0 0	.....	Backergunge	20
.....	11,926 1 6	8,787 2 1	3,253 0 8	449 11 6	616 13 9	.....	Tippurah	.....
104 12 9	46,506 4 0	6,807 5 0	4,411 7 0	21 0 0	.....	.....	Mymensingh	.....
.....	7,531 15 2	13,606 0 0	2,923 3 6	78 3 0	.....	.....	Chittagong	.....
17 13 5	4,806 15 1	13,179 7 0	2,198 10 9	5 9 3	.....	.....	Noakhully	.....
194 1 9	9,912 11 3	8,595 5 6	4,977 12 0	30 4 0	.....	932 0 6	Patna	25
261 13 0	68,364 11 9	11,085 7 8	6,026 1 3	1,605 13 6	29 8 0	1,288 4 0	Gya	.....
98 6 0	5,061 2 8	16,019 7 7	5,719 8 10	153 7 9	.....	759 0 0	Shahabad	.....
669 13 6	18,446 0 11	12,166 9 9	5,444 1 11	314 4 0	.....	.....	Mozufferpore	.....
38 8 0	1,257 0 9	12,196 9 7	5,471 13 9	2,058 6 3	690 0 2	.....	Durghanga	.....
89 8 9	13,075 3 6	5,777 12 2	4,513 7 9	267 13 9	155 0 0	783 0 0	Saran	30	
25 2 7	63 4 0	13,519 2 1	4,011 14 2	133 3 0	.....	477 0 0	Chumpran	.....
209 12 0	9,841 8 3	10,377 12 7	4,964 4 4	27 5 9	.....	.....	Monchyr	.....
55 11 6	4,151 3 6	12,224 12 6	6,389 12 0	23 0 3	.....	2,372 0 0	Binagolpur	.....
90 9 6	484 9 9	14,611 6 8	3,692 8 9	8 14 0	128 14 9	263 2 0	Parneah	.....
2 14 0	50 7 9	12,286 2 1	1,242 5 6	77 9 0	.....	520 0 0	Maldah	35
89 1 0	3,059 14 5	4,675 11 1	1,909 5 10	22 7 6	.....	.....	Cuttack	.....
110 10 6	2,171 3 2	6,758 10 2	909 0 0	69 0 0	.....	.....	Poorce	.....
12 14 9	108 8 10	10,658 5 2	1,230 0 0	.....	.....	.....	Bahsore	.....
87 8 4	473 3 5	4,490 9 7	1,956 2 3	13 10 0	.....	.....	Hazaribagh	.....
211 0 0	3,739 1 6	8,292 6 2	2,397 4 3	66 14 5	.....	.....	Lohardugga	40
0 3 6	.....	1,142 13 1	1,931 4 0	.....	.....	.....	Manbhoom	.....
4,064 8 8	3,43,495 11 1	1,10,750 0 2	1,31,314 7 4	9,700 0 10	5,380 0 11	30,039 13 0	Total.		
.....	951 15 6	77 11 0	1,310 2 0	10 0 0	.....	.....	Chittagong Hill Tracts	.....
.....	587 9 3	2,827 7 1	2,289 8 0	34 12 0	.....	.....	Southal Pergunnahs	.....
11 15 0	4 8 9	2,306 11 9	415 0 0	.....	.....	.....	Singbhoon	44
11 15 0	1,543 12 6	5,206 13 10	4,014 10 0	44 12 0	.....	.....	Total.	
4,076 7 8	3,45,039 7 7	4,15,956 14 0	1,35,329 1 4	9,744 12 10	5,380 0 11	30,039 13 0	GRAND TOTAL.		

CESS DISTRICTS.

NON-CESS DISTRICTS.

EXPEN

DISTRICTS.	PUBLIC WORKS.		IRRIGATION.		MISCELLANEOUS.			Contribution to Provincial Government.
	Total.		Canal toll establishment and contingencies.	Staging bungalow establishment and contingencies.	Staging bungalow petty construction and repairs.	Miscellaneous.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan	40,176 7 7	.....	.....	70 2 0	.....	22 10 9	92 12 9	.....
Bankura	8,459 15 8	.....	.....	33 0 0	.....	837 12 0	870 12 0	.....
Beerbhoom	6,312 12 6	.....	.....	.....	.....	5 3 0	5 3 0	.....
Midnapore	49,563 3 9	.....	.....	.....	.....	14 1 7	14 1 7	.....
5 Hooghly and Howrah	20,099 2 0	.....	.....	.....	.....	100 0 0	100 0 0	.....
24-Pergunnahs	31,555 7 4	.....	.....	66 0 0	.....	43 12 0	109 12 0	.....
Nudda	20,411 8 6	.....	.....	221 7 3	639 3 3	.....	880 10 6	.....
Jessore	20,411 8 6	.....	.....	90 0 0	21 4 3	35 1 3	146 5 6	.....
Khoolna	24,946 4 4	.....	.....	.....	.....	.....	.....	.....
10 Moorsshedabad	11,447 0 1	.....	.....	.....	.....	.....	.....	.....
Dinagopore	19,792 5 10	.....	.....	48 1 6	117 0 0	.....	165 1 6	.....
Rajshahye	18,438 8 7	.....	.....	40 8 0	4 0 0	.....	44 8 0	.....
Rungpore	45,662 8 8	.....	.....	.....	.....	91 0 6	91 0 6	.....
Bogra	10,864 5 1	.....	.....	.....	.....	.....	.....	.....
15 Pubna	10,656 3 4	.....	.....	.....	.....	.....	.....	.....
Barjeeling	2,781 13 7	.....	.....	.....	.....	.....	.....	.....
Julpigoree	18,510 3 9	.....	.....	99 0 0	5 8 0	0 11 0	105 3 0	.....
Dacca	25,346 6 4	.....	.....	.....	.....	.....	.....	.....
Furzedpore	14,901 3 2	.....	.....	.....	.....	.....	.....	.....
20 Backergunge	19,084 15 6	.....	.....	.....	.....	.....	.....	.....
Tipperah	25,032 13 6	.....	.....	.....	.....	.....	.....	.....
Mymensingh	57,746 0 0	.....	.....	.....	.....	.....	.....	.....
Chittagong	24,139 5 8	.....	.....	.....	.....	163 15 6	163 15 6	.....
Naakholly	20,410 10 1	.....	.....	4 10 3	.....	.....	4 10 3	.....
25 Patna	24,448 0 9	.....	.....	500 12 3	3,606 9 5	.....	4,107 5 8	.....
Gya	89,569 14 2	.....	.....	.....	.....	.....	.....	.....
Shahabad	27,712 10 10	.....	.....	90 0 0	.....	.....	90 0 0	.....
Mozufferpore	56,870 0 7	.....	.....	30 3 1	94 9 9	234 4 11	339 1 9	.....
Durbhunga	2,583 14 6	.....	.....	103 0 0	145 5 3	.....	250 5 3	.....
30 Sarun	25,172 5 2	.....	.....	50 11 0	6 12 0	.....	57 7 0	.....
Chumparun	18,294 7 3	.....	.....	.....	.....	.....	.....	.....
Monchyr	25,210 14 11	.....	.....	.....	.....	.....	.....	.....
Bhagulpur	25,310 12 3	.....	.....	.....	247 13 3	.....	247 13 3	.....
Purneah	19,129 7 11	.....	.....	.....	.....	.....	.....	.....
35 Maldah	14,975 8 10	.....	.....	.....	.....	.....	.....	.....
Cuttack	9,667 6 10	.....	.....	148 8 0	290 0 10	.....	438 8 10	.....
Poorce	9,899 3 4	.....	.....	40 7 9	.....	.....	40 7 9	.....
Balasore	11,991 14 0	.....	.....	27 0 0	.....	.....	27 0 0	.....
Hazaribagh	6,933 9 3	.....	.....	27 8 0	3 10 0	.....	31 2 0	.....
40 Lohardugga	14,495 10 4	.....	.....	54 0 0	41 15 6	.....	95 15 6	.....
Manbhoom	3,974 1 1	.....	.....	.....	.....	.....	.....	.....
Total	9,30,680 1 4	.....	.....	1,746 15 1	5,243 11 6	1,548 8 6	8,539 3 1	.....
NON-CENS DISTRICTS.								
Chittagong Hill Tracts	2,349 12 6	.....	.....	.....	.....	.....	.....	.....
Sonthal Pergunnahs	5,34 4 4	.....	.....	295 1 9	84 3 6	.....	379 5 3	.....
44 Singbhoom	2,725 15 6	.....	.....	.....	.....	.....	.....	.....
Total	10,810 0 4	.....	.....	295 1 9	84 3 6	.....	379 5 3	.....
GRAND TOTAL	9,41,490 1 8	.....	.....	2,042 0 10	5,327 15 0	1,548 8 6	8,618 8 4	.....

ROAD FUND.

Road Committees for the Third Quarter of the Cess Year 1885-86. ending 30th June 1886.

DITUR E.

EXPENSE ACCOUNTS.			Total expenditure.	Balance of imprests in hands of Engineers and others increased.	Balance of uncashed cheques decreased.	Total outlay.	DISTRICTS.
Advances.	Deposits.	Total.					
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
3,251 7 0	266 3 0	3,517 10 0	61,771 7 2	.....	754 0 1	62,525 7 3	Burdwan 1
1,296 8 0	.....	1,296 8 0	12,043 2 2	491 9 11	.....	12,535 12 1	Bankoora
1,075 0 0	.....	1,075 0 0	8,991 5 1	.....	.....	8,991 5 1	Beerbhoom
6,224 6 4	2,272 10 9	8,497 1 1	60,153 4 10	121 6 0	.....	60,274 10 10	Midnapore
5,870 5 6	.....	5,870 5 6	29,768 7 10	.....	467 2 0	30,175 9 10	Hoochly and Howrah ... 5
1,386 15 9	85 0 0	1,471 15 9	35,007 7 3	.....	.....	35,007 7 3	24 Pergunnahs... ..
2,871 6 6	815 0 0	3,186 6 6	25,181 9 0	100 0 0	1,954 0 9	27,235 9 9	Nuddea
972 11 0	.....	972 11 0	24,250 2 4	.....	.....	24,250 2 4	Jessore
2,628 5 0	77 0 0	2,705 5 0	28,904 13 10	.....	.....	28,904 13 10	Khoolna
965 4 9	54 14 0	1,020 2 9	13,579 3 5	.....	.....	13,579 3 5	Moorshedabad 10
3,155 4 0	.....	3,155 4 7	23,807 5 5	.....	.....	23,807 5 5	Dinagapore
8,798 10 9	.....	8,798 10 9	29,391 0 7	.....	2,628 4 3	31,419 4 10	Rajshnhye
12,432 9 0	125 4 9	12,557 13 9	61,482 3 4	389 8 6	.....	61,842 11 10	Kungpore
1,330 2 6	.....	1,330 2 6	13,147 4 7	500 0 0	482 5 9	14,129 10 4	Bogra
3,509 11 8	.....	3,509 11 8	15,273 6 9	.....	107 10 9	15,381 1 6	Pubna 15
1,268 2 4	.....	1,268 2 4	4,627 1 11	.....	1,124 0 0	5,751 1 11	Darjeeling
1,812 14 3	.....	1,812 14 3	21,169 9 3	.....	.....	21,169 9 3	Julpigoree
4,974 5 9	.....	4,974 5 9	33,059 0 0	110 0 0	547 14 9	33,716 14 9	Dacca
6,547 6 0	1,065 10 0	6,613 0 0	23,544 11 1	.....	.....	23,544 11 1	Furzedpore
6,206 6 0	170 0 0	6,376 6 0	31,230 0 4	.....	.....	31,230 0 4	Backergunge 20
.....	.....	.....	27,007 4 1	.....	.....	27,007 4 1	Tipperah
17 3 0	1,124 0 0	1,141 3 0	61,749 9 3	100 0 0	.....	61,849 9 3	Mymensingh
3,885 9 0	858 1 9	4,743 10 9	31,849 3 10	.....	2,947 0 0	33,896 3 10	Chittagong
2,398 14 0	20 0 0	2,418 14 0	24,432 11 0	.....	.....	24,432 11 0	Noakholly 25
1,570 0 0	4,777 12 2	6,347 12 2	37,297 1 9	.....	4,317 4 3	41,614 6 0	Patna
5,507 7 9	11,172 9 4	16,680 1 1	1,10,516 6 9	80 14 0	.....	1,10,597 4 9	Gya
3,285 15 3	100 0 0	3,385 15 3	33,573 10 10	.....	.....	33,573 10 10	Shahabad
9,163 11 7	753 10 1	9,163 11 7	39,972 1 9	.....	.....	39,973 1 9	Mozufferpore
15,726 4 5	.....	15,726 4 5	42,732 7 2	.....	643 8 6	43,375 15 8	Durbhunga 30
7,835 8 3	.....	7,835 8 3	27,933 2 11	.....	.....	27,933 2 11	Chumparan
3,867 5 0	247 0 0	4,144 5 0	30,891 9 11	30,891 9 11	Monghyr
3,406 8 4	6,399 0 10	9,804 9 2	36,617 1 8	100 0 0	36,717 1 8	Bhagulpur
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.....	299 4 0	299 4 0	14,929 8 7	14,929 8 7	Maldah
1,677 12 0	1,677 12 0	13,101 6 3	13,101 6 3	Cuttack
1,624 0 0	.....	1,624 0 0	12,394 14 10	.....	.....	12,394 14 10	Pooree
579 12 0	15 0 0	594 12 0	13,477 12 1	.....	.....	13,477 12 1	Balasore
482 9 6	89 8 0	572 1 6	8,095 15 1	.....	.....	8,095 15 1	Hazaribagh
492 4 0	870 9 9	1,362 13 9	16,833 6 3	.....	23 5 6	16,856 11 9	Lohardugga 40
.....	.....	.....	4,238 2 10	.....	.....	4,238 2 10	Manbhoom
1,38,223 15 2	31,158 2 5	1,69,382 1 7	11,97,791 8 11	2,193 6 5	14,496 8 7	12,14,481 7 11	Total.
509 5 6	.....	509 5 6	2,351 4 6	100 0 0	.....	2,351 4 6	Chittagong Hill Tracts
.....	.....	.....	6,861 1 1	.....	.....	6,861 1 1	Sonthal Pergunnahs
.....	.....	.....	2,819 13 6	.....	.....	2,819 13 6	Singbhoom 44
509 5 6	.....	509 5 6	12,032 3 1	100 0 0	.....	12,132 3 1	Total.
1,33,743 4 8	31,158 2 5	1,69,901 7 1	12,09,823 12 0	2,293 6 5	14,496 8 7	12,26,613 11 0	GRAND TOTAL.

E. T. ATKINSON,

Accountant-General, Bengal.

PROCEEDINGS OF A MEETING OF THE MUHAMMADAN
EDUCATIONAL ENDOWMENTS COMMITTEE, HELD
ON 28TH DECEMBER 1886.

Published for general information at the request of the Committee.

PRESENT :

HON'BLE G. C. PAUL, C.I.E., *Advocate-General, President.*

MR. AMIR ALI.

NAWAB ABDUL LATIF, KHAN BAHADUR, C.I.E.

HON'BLE ABDUL JUBBER.

NAWAB MEER MAHOMED ALI.

P. NOLAN, Esq.

THE President observed that Mr. Nolan's note gave an accurate statement of the general result of the enquiry conducted by the Committee. From the decision passed by the High Court after hearing the argument of Mr. Amir Ali in the Sasseram-Khanka endowment case, it appeared that under the existing law an endowment might be treated as religious, though the deed by which it was constituted contained some provision for education. The speaker proposed that in such cases power should be given to the Civil Courts, on application made, to separate the educational from the religious portion of endowments, and to make separate provision for each, just as similar powers had been given to the Board of Revenue by Act XX of 1863. As to Nawab Meer Mahomed Ali's recommendation for the appointment of a Standing Committee, it might be adopted, but much of the real work would always have to be done by Government.

Mr. Nolan pointed out that under section 539, Civil Procedure Code, a Civil Court had at present the power, "whenever the direction of the Court is deemed necessary," to declare the proportions in which the objects of an endowment are entitled, and settle a scheme of management. He did not see what new jurisdiction the proposed law would confer. Did the President intend to suggest any principle according to which the division should be made? If left to their own guidance, the Courts would act as at present, and education would not be promoted.

The President replied that he would make the procedure cheaper and more summary than under section 539, and he would require no proof of fraud. The principle of division should, he thought, be to give the surplus to education after making a sufficient provision for all religious objects.

Mr. Amir Ali stated that he quite agreed with the President as to the desirability of simplifying the procedure in endowment cases. The supervision of endowments was a regular part of the duty of Government in Muhammadan countries: the officer charged with that function was in Turkey called the Nazir-i-Awakaf. But the executive should not have power to divert the course of endowments, lest officers should apply the funds to objects in which they took an immediate interest without due regard to the terms of the foundation.

Nawab Abdul Latif, Khan Bahadur, stated, speaking generally, a Muhammadan endowment originated in the act of some pious person who built a mosque during his lifetime, and on his death, being, perhaps, without the blessing of children, left a foundation to maintain it, devoting so much for lighting it, and so much for the maintenance of *tâlil-ul-ilm*—seekers of knowledge. The mosque is often at a distance from any town, and it is desired that some persons should reside in it to pray. The *tâlil-ul-ilm* are such persons, and their residence was contemplated by the pious founders. If the money assigned for them is to be taken away, and devoted to education elsewhere than in the mosque, who will remain to pray?

Mr. Amir Ali stated that he did not understand Mr. Paul's proposal as referring to purely religious endowments, but where there was an intention, expressed or implied, on the part of the founder, that a part of the income should be devoted to education, then the principle could be applied. Everyone now studied English and Bengali. Nawab Abdul Latif, Khan Bahadur, was himself an advocate of this. The *cypres* doctrine was applied to the utmost extent in Muhammadan law, and it would be perfectly consistent with that system to assign for the support of schools money left for the education of

students. The word *tâlib-ul-ilm* meant any seeker of knowledge or student, and was not confined to theological students.

The President said he did not see much advantage from the residence of idle *tâlib-ul-ilm*s at mosques, when they might be acquiring a useful education elsewhere. He would leave purely religious endowments alone, and referred only to those of a mixed character. The contention that money assigned for the maintenance of students could not be devoted to secular education seemed to touch the root of the Committee's business. It was not clear how there could be any improvement if this position were maintained.

Hon'ble Abdul Jubber produced Hughes' Dictionary of Islam in which *tâlib-ul-ilm* is described as "a term generally used for a student of Divinity." In this case we should distinguish between our ideas of education and those with which pious founders made provision for students in endowment deeds. It was certain that the founders of former generations contemplated an education of a character different in its essence from that given in our schools. He knew a case in which such a founder, managing his own endowment, refused to support students if they learned Bengali. The prejudice against English education survived in certain classes; he knew a mukhtear who refused to give his son such an education. Men of the present day might found institutions for education of the modern type, and they did do so, as our proceedings prove. But they should not interfere with the bequests of dead men. He had no objection to supervision of endowments, but opposed the diversion of funds from religious to English education.

Nawab Meer Mahomed Ali enquired what was the word for a secular student, if *tâlib-ul-ilm* meant a theological student?

Nawab Abdul Latif replied that he knew of no specific designation for a secular student, and did not maintain that *tâlib-ul-ilm* always meant divinity students, but that it bore that significance in our endowment deeds. This could be proved by witnesses.

Mr. Nolan said that Mr. Paul's proposals were new to the Committee, and having been examined in a preliminary discussion, their further consideration might, with the permission of the President, be postponed. He was not sanguine as to the benefit of simplifying the procedure for trying endowment cases. These almost always involved questions of private claims to the property, which had to be regularly tried, if any case had to be; while such work as the framing of schemes of management was at present, he understood from the High Court's action in the Bruce legacy case, done in chambers, in the most convenient way. The proposal to devote to secular education all the proceeds of mixed endowments not needed for religious purposes was very important, and would, if adopted, lead to large financial results. He presumed that no attempt would ever be made to supersede religious education in mosques where such was in fact given. But apart from this would not a proposal constitute to education the residuary legatee of all endowments, after specific bequests had been carried out be unfavourably received by the Muhammadans as a body? In matters which might be taken as trenching on religion, great caution should be observed, and it was desirable not to proceed in advance of public opinion. There was another aspect of the case which had not been discussed,—that of the mutwalis, or hereditary managers, who now often acted as residuary legatees, taking the surplus profits of endowments after providing for specified objects. How would their claims be reconciled with making over this same surplus to education?

Mr. Ameer Ali replied that the principle would apply only when the manager was left a definite provision as one-ninth of the profits, and certainly not to cases where he was entitled to the whole surplus.

Nawab Abdul Latif Khan Bahadoor stated that Act XX of 1863 had occasioned much embezzlement, and he was strongly in favour of its repeal, and the reversion to the old system, under which endowments were managed by local agents, including the Collector.

Nawab Meer Mahomed Ali explained that he had advocated this in his memorandum before the Committee.

Mr. Amir Ali said he was not prepared on the present occasion to give an opinion on this matter, which referred to religious as well as secular endowments, and was beyond the scope of the Committee's immediate functions.

The Committee then proceeded to discuss the proposal of Nawab Meer Mahomed Ali, in his memorandum, that a standing Committee should be formed

for the supervision of secular or educational endowments, and the several questions as to the functions of such a Committee put in Mr. Nolan's note. Nawab Abdul Latif and the Hon'ble Abdul Jubber opposed the appointment of such a Committee, which was supported by the President, Mr. Amir Ali, and Nawab Meer Mahomed Ali. Mr. Nolan was in favour of the appointment only in case the Muhammadan community generally approved, of which he at present saw no adequate proof. On the supposition that a Committee should be appointed, the following answers were given to the questions put in the note. Nawab Abdul Latif and Hon'ble Abdul Jubber took no part in the discussion as being opposed to the formation of the Committees except as to questions 11, 12, and 13:—

Questions.

1. Nawab Meer Mahomed Ali suggests the formation of a standing Committee for the supervision of secular or educational endowments. All the subsequent proposals assume the appointment of such a body, and deal with its functions.

2. The number of the Commissioners of which such a Committee should be composed has to be considered, and the method of their appointment.

3. Should this Committee deal only with secular as opposed to religious educational funds and, if so, how are the two to be distinguished? An education designed to qualify the pupil for teaching or ministering religion is generally considered religious; but in the case of Muhammadans the subject is complicated by the absence of a separate class of priests.

4. Should the Committee deal only with educational funds, or with all the secular funds of endowments, including those devoted to charitable doles and to the maintenance of travellers?

5. The Endowed Schools Act of 1869 gives the Charity Commissioners in England power to apply to education, with the consent of the governing body, the funds of trusts made before 1800 for doles, marriage portions, loans, apprentice fees, &c. Mr. Beighton, Judge of Moorshedabad, commends this system for imitation in India. The practical effect would be to render available for education funds now devoted to doles and to the maintenance of *serais* for travellers. In England there is a strong feeling against what was once considered the most obvious form of charity—doles of money or food to the poor; but this sentiment is connected with the system of poor law relief prevalent in England, and may not be applicable to India.

6. Should the Committee possess powers of inquisition, and, if so, what powers? The grant of such powers is strongly recommended in many of the reports. The suggestion in our preliminary report is that the Commissioners might be empowered to call for title deeds of any lands credibly alleged to be held in trust for educational purposes, to summon and examine witnesses, and to delegate these powers to any local Committee presided over by a District Collector.

7. Should the Committee have the power to call for accounts, and, if so, of what endowments—of educational purely secular endowments, or of mixed endowments also? And is an endowment to be considered subject to the obligation of rendering accounts where it is exclusively religious according to the foundation deed, but in practice the funds have been in part applied to secular purposes? The case has to be considered of the Bohar endowment, Burdwan, in which the matwali refuses to render accounts on the ground that "it is quite clear that the calling for an account respecting the endowment is an act of interference which the firman does not allow." In some instances the founder has left everything to the discretion of the manager, and does not seem to have contemplated a call for accounts. In the case of Ghugudanga, Dinagepore, reported in the Commissioner of Rajshahye's letter dated 2nd July 1886, it would seem that the donor simply made a property worth Rs. 50,000 a year *wakf* providing, among other objects, for the institution of a madrassa, but never in fact founded the madrassa. A similar case is noticed in Chittagong, where the *wakf* seems to have been made in fraud of creditors. Where such is the intention, no precise sum is named for the support of the institution, and it will be difficult to say for what amount an account has to be rendered.

Answers.

1. A Committee should be appointed.

2. Five or seven members appointed by Government.

3. The Committee to deal with secular funds only.

4. The Committee to deal with all secular funds.

5. No such power should be given.

6. Powers of inquisition should be given, viz., the right to call for documents, and procure attendance of witnesses; these to be exercised through the civil courts, as is done in the case of Sub-Registrars.

7. The Committee should have power to call for accounts from all secular and mixed endowments, the accounts to show all receipts, and the expenditure on public secular objects only.

Questions.

Answers.

8. Should the Committee have power of itself to remedy abuses, or merely to bring a suit in the Civil Courts with that object? The right to sue only was at first given to the Charity Commissioners in England; but direct power of control was vested in them afterwards in respect to endowments of less than the annual value of £100. In this country a Committee would be met at every step by the plea that the endowment was religious, or that it was purely property.

9. Should the Committee be vested with the power conferred on the Charity Commissioners by the Endowed Schools Act, to make schemes for the management of schools without the consent of trustees, and, if so, should the confirmation of Government be required to such schemes, as that of the Privy Council is required at Home?

10. In England all endowment funds are vested in the official trustee, and his consent is necessary to the transfer of land. Should the land of all secular endowments be entered in the name of the Committee, and their consent be necessary to the validity of all sales or leases for more than 20 years? There are many complaints in the correspondence of the alienation for private purposes of *wakf* lands; and these transfers acquire validity by lapse of time. It is alleged that the Civil Courts are inclined to deal leniently with the claims of purchasers of such lands.

11. Mr. Beighton suggests that trusts should be placed under Committees elected by local bodies such as municipalities. He considers the objection that these bodies are Hindu of no great weight.

12. Mr. Beighton also proposes to abolish the distinction between public and private trusts, making the latter like the former, subject to the supervision of the Committee.

13. Should power be given to the courts to dismiss an hereditary *matwali* for mismanagement? It is stated by Mr. Beighton, on the authority of a Madras case, that this is not done at present.

14. Should the Committee be entrusted with the management of the Moshin Fund, as suggested in our preliminary report?

15. From what source are the expenses of the Committee to be met?

16. Should District Committees be formed, and, if so, should they be in addition to the Central Committee?

8. The right to investigate and report to Government should be given; the suits to be instituted by Government.

9. No.

10. On this point there was much discussion, as the advantages of preventing the scandal of the alienation of *wakf* lands was strongly urged, and it was acknowledged that such sales, though illegal, took place frequently, and were validated by the Limitation Act after twelve years' possession. It was thought inexpedient to enter such lands in the name of the Committee, though it would accomplish very effectively the object aimed at, as such a course would cause alarm. As an alternative it was considered that the consent of a Civil Court should be declared necessary to the transfer by sale of *wakf* lands.

11. This course is not approved.

12. This is unnecessary.

13. This is unnecessary. The Courts at present exercise a discretion in this matter.

14. Postponed.

15. Ditto.

16. Local Committees may be formed in addition to the Central Committee.

It was resolved that future meetings should be held at 8 A.M. on alternate Saturdays.

P. NOLAN,

Secretary, Muhammadan Educational

Endowments Committee.

NOTE.

THE duties of the Muhammedan Educational Endowments Committee are divided into two branches,—the ascertainment of facts as to Muhammedan educational foundations, and the examination or consideration of any proposals which may be suggested for the improvement of the law and administration in regard to such institutions. It may be convenient if I give a summary of the results of our enquiry under the first head, so far as it has as yet proceeded, and of the points brought forward under the second head for examination.

2. In our preliminary report to Government, dated the 30th July 1886, we gave a list of 46 endowments at present maintained in working order, and of 15 with regard to the funds of which the local officers considered that malversation had taken place. As to the latter, we noticed that the Committee, in their instructions to those making enquiries, requested that copies of the *touleutnamahs* of endowments might be forwarded, or, where these were not obtainable, the statements of competent witnesses; but that this course had not been followed with regard to the 15 suspected foundations. The allegations as to malversation could therefore only be considered as the expression of opinions to be tested by subsequent enquiries which the local officers were requested to make. The first business of the Committee on re-assembling will be to consider the result of these enquiries.

3. Four of the fifteen endowments are situated in the Patna Division, and are dealt with in Mr. Halliday's report dated the 16th November, a copy of which is circulated herewith. The original information on the subject was given by Moulvie Khoda Buksh, Government Pleader of Patna, the local committee being reported to be indifferent. The allegation of misappropriation of educational funds has not in any instance been substantiated. The persons in possession of the land said to appertain to two of the foundations claim to be private owners of the estates, and deny the existence of any trust; and nothing has been found to show that such trusts exist. The copy of the *touleutnamah* of the third (the original document is missing) contains no provision for education. The *touleutnamah* of the fourth institution, that of Jafri, indicates that the foundation is primarily religious, but contains some reference to education, the land being left for the support of the trustee, the repairs of a mosque, khankah and tombs for charity to poor travellers, pupils, preachers and criers; and for the pay of the sweeper of the mosque. There is a specific allowance of one-tenth to Moulvie Ashruf Ali, provided he resides in the khankah and there teaches boys. Evidence taken by the Sub-divisional Officer of Behar indicates that the teaching contemplated is religious, and there is nothing to show that it is neglected. As to the four Patna cases, I would therefore say that the allegation of the diversion of educational funds has not been in any way supported, and is to a certain extent disproved.

4. The reply of the Burdwan Commissioner, dated the 9th November, circulated herewith, shows that nothing has been ascertained with regard to the seven endowments previously reported as diverted to improper uses in his division. They lie in the Midnapore district, and the report of the Magistrate on the subject has not yet been received.

5. Four of the endowments are situated in Balasore, and the Commissioner of Orissa, with his annexed memorandum, dated the 28th October 1886, forwards a copy of a letter from the District Collector, stating that the allegations of malversations "do not rest on any tangible grounds, and therefore are not capable of formal investigation and enquiry."

6. In addition to these specific allegations, there was a general statement made by the Collector of Noakhally, and noticed in paragraph 7 of our preliminary report,—that there were many endowments in his district of a mixed character, partly religious and partly educational. He was asked to supply some typical instances of such foundations, and has since been reminded of the matter; but no reply has as yet been received.

7. The correspondence forwarded with the Commissioner of Burdwan's letter annexed, dated the 9th November 1886, adds 16 new endowments to our list. As to five of these, it is alleged that no education is at present given, though the foundation is in part educational. The *touleutnamahs* are not forthcoming, and no evidence is offered, either that these were educational endowments, or that no education is given. Mr. Beames raises a question which the Committee will have to consider, as to whether *talim'ilim* means a religious student, or simply a student. The matter is of importance, as on the construction of this word the religious or secular character of several foundations is said to depend.

8. An interesting letter from the late Commissioner of the Rajshahye Division, No. 204 Mct., dated 2nd July 1886, is annexed. It adds three endowments to our list, and mention is also made of others, though the form in respect to them is not filled up. The report of Moulvie Abdus Soban is valuable as giving the history of the Bagha and Nattore endowments. In these cases it seems that the trustees are bound to keep up madrasahs, and that they perform this obligation; but that they spend less on education than was done formerly. There is no specified bequest for education, as distinct from the maintenance of the old religious institutions which formed the primary object of the grants.

9. Although several reports are still due—in particular from Burdwan and Midnapore—it is not probable that the new information will differ much in character from the old; and the members of the Committee are now in a position to proceed to the second part of their task,—the consideration of any legislative or executive measures which might be taken with advantage for the protection of Muhammedan educational endowments. Our enquiry shows that there are in Bengal 30 foundations purely educational, or at least secular, in character, and that they are all of modern origin. It has extended also to some 60 ancient endowments, supposed to be, at least to some extent, educational. It shows that they were

all founded ostensibly with a view to the maintenance of some mosque, khankah, or mausoleum for the benefit of religion. The maintenance of the manager, who was generally the founder, and of his family, was most frequently an object which, though not prominently put forward, was guarded with care. In some instances, indeed, the foundation may be regarded as an expedient for creating a perpetual entail, and in that aspect very ingeniously adapted to its purpose. We have not discovered any ancient foundation exclusively, or even primarily, secular in character. The Bohar endowment, Burdwan Division, is entered in our list as "partly educational, partly charitable;" but on reference to the *touleutnamah* I find that it was established for the maintenance and lighting of a mausoleum. The educational element in old endowments is introduced by some clause in the deed prescribing the imparting of instruction to students, generally described as *talim'ulm*, or by the fact that, without such written obligation to do so, the manager has in fact maintained a madrasa, or pupils. The Mohsin endowment is the most striking instance of a foundation which has been devoted to education, though the original deed gave no hint of such an intention in the breast of the pious founder; it happened to come under Government management, and the funds were employed in the way supposed to be most useful. The *touleutnamah* also provide occasionally for two other forms of charity—doles to the poor, and the support of travellers by erecting *serais* or otherwise. Though such acts are not strictly religious, they accord with the Muhammedan, as they do with the mediæval Christian, ideal of a religious institution, an endowed mosque being considered, I understand (some members of the Committee will be able to correct me if I am wrong in this) not merely a place of worship, like a church open only on Sundays, but also a suitable place for imparting instruction of a certain class, for the relief of the poor, and particularly of travellers who may be supposed to be pilgrims.

10. Our enquiry fully substantiates the assertion that there is great danger of the perversion to private uses of ancient endowments. In some instances a part of the *wakf* land has been sold or otherwise permanently alienated. Modern educational endowments, as far as we have ascertained, appear to be looked after with due care.

11. These, I understand, are the broad facts with regard to Muhammedan endowments, and I need not point out that they indicate difficulties greater than those felt in dealing with charitable foundations in England. The manner in which secular trusts grow out of, and are intermixed with, the main religious object of ancient endowments, and the hereditary claim of many persons to the management of the foundation, and to maintenance on an undefined scale out of the proceeds, render it a delicate task to interfere for the protection of worldly and public interests without disturbing religious or private rights. Two members of the Committee, who were engaged in the recent litigation as to the Sasseram endowment, will be able to explain these difficulties in detail.

12. Such being the facts with which we have to deal, it remains to state the proposals which have to be considered. I give those suggested by the correspondence, and members may probably wish to add others—

(1.)—Nawab Meer Mahomed Ali, in the annexed memorandum, suggests the formation of a standing committee for the supervision of secular or educational endowments. All the subsequent proposals assume the appointment of such a body, and deal with its functions.

(2.)—The number of the Commissioners of which such a Committee should be composed has to be considered, and the method of their appointment.

(3.)—Should this Committee deal only with secular as opposed to religious educational funds, and, if so, how are the two to be distinguished? An education designed to qualify the pupil for teaching or ministering religion is generally considered religious; but in the case of Muhammedans the subject is complicated by the absence of a separate class of priests.

(4.)—Should the Committee deal only with educational funds, or with all the secular funds of endowments, including those devoted to charitable doles and to the maintenance of travellers?

(5.)—The Endowed Schools Act of 1869 gives the Charity Commissioners in England power to apply to education, with the consent of the governing body, the funds of trusts made before 1800 for doles, marriage portions, loans, apprentice fees, &c. Mr. Beighton, Judge of Moorshedabad, commends this system for imitation in India. The practical effect would be to render available for education funds now devoted to doles and to the maintenance of *serais* for travellers. In England there is a strong feeling against what was once considered the most obvious form of charity—doles of money or food to the poor; but this sentiment is connected with the system of poor law relief prevalent in England, and may not be applicable to India.

(6.)—Should the Committee possess powers of inquisition, and, if so, what powers? The grant of such powers is strongly recommended in many of the reports. The suggestion in our preliminary report is that the Commissioners might be empowered to call for title deeds of any lands credibly alleged to be held in trust for educational purposes, to summon and examine witnesses, and to delegate these powers to any local Committee presided over by a District Collector.

(7.)—Should the Committee have the power to call for accounts, and, if so, of what endowments—of educational purely secular endowments, or of mixed endowments also? And is an endowment to be considered subject to the obligation of rendering accounts where it is exclusively religious according to the foundation deed, but in practice the funds have been in part applied to secular purposes? The case has to be considered of the Bohar

endowment, Burdwan, in which the matwali refuses to render accounts on the ground that "it is quite clear that the calling for an account respecting the endowment is an act of interference which the firman does not allow." In some instances the founder has left everything to the discretion of the manager, and does not seem to have contemplated a call for accounts. In the case of Ghugudauga, Dinagepore, reported in the Commissioner of Rajshahy's letter dated 2nd July 1886, it would seem that the donor simply made a property worth Rs. 50,000 a year *wakf*, providing, among other objects, for the institution of a madrassa, but never in fact founded the madrassa. A similar case is noticed in Chittagong, where the *wakf* seems to have been made in fraud of creditors. Where such is the intention, no precise sum is named for the support of the institution, and it will be difficult to say for what amount an account has to be rendered.

(8.)—Should the Committee have power of itself to remedy abuses, or merely to bring a suit in the Civil Courts with that object? The right to sue only was at first given to the Charity Commissioners in England; but direct power of control was vested in them afterwards in respect to endowments of less than the annual value of £100. In this country a Committee would be met at every step by the plea that the endowment was religious, or that it was purely property.

(9.)—Should the Committee be vested with the power conferred on the Charity Commissioners by the Endowed Schools Act, to make schemes for the management of schools without the consent of trustees, and, if so, should the confirmation of Government be required to such schemes, as that of the Privy Council is required at Home?

(10.)—In England all endowment funds are vested in the official trustee, and his consent is necessary to the transfer of land. Should the land of all secular endowments be entered in the name of the Committee, and their consent be necessary to the validity of all sales or leases for more than 20 years? There are many complaints in the correspondence of the alienation for private purposes of *wakf* lands; and these transfers acquire validity by lapse of time. It is alleged that the Civil Courts are inclined to deal leniently with the claims of purchasers of such lands.

(11.)—Mr. Beighton suggests that trusts should be placed under Committees elected by local bodies, such as municipalities. He considers the objection that these bodies are Hindu of no great weight.

(12.)—Mr. Beighton also proposes to abolish the distinction between public and private trusts, making the latter, like the former, subject to the supervision of the Committee.

(13.)—Should power be given to the Courts to dismiss an hereditary matwali for mismanagement? It is understood that this is not done at present.

(14.)—Should the Committee be entrusted with the management of the Mohsin Fund, as suggested in our preliminary report?

(15.)—From what source are the expenses of the Committee to be met?

(16.)—Should District Committees be formed, and, if so, should they be in addition to the Central Committee?

These points, with any other which members may suggest, may, with the consent of the President, be considered at the next meeting of the Committee.

P. NOLAN,

CALCUTTA,
The 4th December 1886.

Secy., Muhammadan Educational
Endowments Committee.

PILGRIMAGE TO MECCA.

The 6th January 1887.—The following Notice is republished for general information.

COLMAN MACAULAY,

Offg. Chief Secy. to the Govt. of Bengal.

PUBLIC NOTICE.

ALL persons proposing to make a pilgrimage to Mecca are hereby warned that they will be required by the Turkish Government to perform quarantine for at least 10 days on the Island of Camaran before being allowed to go on to Jeddah, during which period the pilgrims will have to provide for all their expenses. They should, therefore, make certain, in taking their passages, that the steamer starts so as to arrive at Jeddah in time for the Haj, after making due allowance for the detention at Camaran. During the quarantine at Camaran the Turkish Government require the pilgrims to pay certain fees, besides arranging for their own provisions, and ships which have evaded quarantine are not allowed to land their pilgrims at Jeddah.

Pilgrims are, therefore, warned that before starting they should see that they have sufficient funds for the expenses of quarantine and of the Haj, and for their journey back to India. The Mahomedan Vice-Consul at Jeddah, Abdur Ruzzak, suggests that each pilgrim should have at least Rs. 300 with him when he leaves India, after having paid his passage to Jeddah. No pecuniary assistance can be obtained from the British authorities at Jeddah.

Intending pilgrims should apply to the Protector of Pilgrims, Bombay, and to the Port Officer at other ports, for information as to the latest safe date for sailing.

HOME DEPARTMENT,
SANITARY,
Simla, the 3rd July 1884.

A. MACKENZIE,

Secretary to the Government of India.

REPORT OF THE AGRICULTURAL DEPARTMENT, BENGAL.

REVENUE DEPARTMENT—AGRICULTURE.

Calcutta, the 11th January 1887.

RESOLUTION.

REPORT of the operations of the Agricultural Department of Bengal, from the date of its creation to the end of July 1886.

READ—

A Report from the Director of the Agricultural Department, Bengal, No. 510T, dated 15th October 1886.

The appointment, for a period of two years, of a special officer to advise the Lieutenant-Governor on all matters relating to agriculture and statistics, to undertake preliminary enquiries in connection with the experimental survey in the Patna Division, and to assist in obtaining detailed information required by the Secretary of State as to Government and Wards' estates, was sanctioned by the Government of India in a letter No. 433A, dated the 28th May 1884. On Mr. Finucane's return from furlough at the end of December 1885, he was selected to be the Director of the Agricultural Department for the performance of these duties, and was at first employed mainly on pressing work in connection with the Bill which subsequently was passed as the Bengal Tenancy Act. On the 2nd May 1885 a Resolution was issued, defining, as far as was then possible, the functions of the newly created office. It was stated that Mr. Finucane's work would be of two kinds—agricultural research, including the arrangements for the experimental survey in Mozufferpore district, and for the maintenance of the results obtained by a system of village records, as also the collection of the returns of the prices of food-staples required by the Bengal Tenancy Act; and agricultural improvements, to be undertaken with the co-operation of such societies, as the Agri-Horticultural and the Zoological, of local Committees, and of such landowners or farmers as might be good enough to lend their assistance. In regard to duties of the first class, he was placed under the control of the Board of Revenue, and directed to report to them; while his efforts for agricultural improvement were to be made under the direct orders of Government in the Revenue Department. The services of Mr. Allen, c. s., placed for one year in charge of the Government estates of Shahabad, of Mr. Ambica Churn Sen, c. s., and Mr. Sakhawat Hossein, Deputy Collector, all graduates of the Cirencester College, were placed at his disposal, so far as this could be done without interfering with their other duties. The department thus created was sanctioned for a limited period only, but the Lieutenant-Governor never doubted that its work would be such as to demonstrate the necessity for retaining it as an essential part of the permanent administrative system of Bengal.

2. The present report refers to the period from the date of Mr. Finucane's delegation on special duty, and more particularly from May 1885 to the end of July 1886. Assuming that the department will be retained, the Lieutenant-Governor considers that future annual reports should be for the official year, and that, in so far as they relate to work classified as agricultural research, they should be submitted through the Board of Revenue. This is the more necessary, as it is probable that the department, in its future development, will be mainly employed in the supervision of surveys and settlements—work in which the complete control of the Board is essential.

3. Sir Rivers Thompson has long entertained the opinion that for the adequate protection of the several interests of those connected with land in these provinces, whether as owners, as the holders of intermediate tenures, or as cultivators, legislative measures are by themselves insufficient, and should be supplemented by the preparation and preservation of a full record of rights, founded on an accurate survey. Such a record

ensures the punctual collection of rents really due, and at the same time prevents the illegal and irregular exactions which have long impeded agricultural progress in Bengal. In accordance with these views, provision was made in the Bengal Tenancy Act enabling the Local Government, with the previous sanction of the Governor-General in Council, to direct that a survey be made, and a record of rights prepared, in respect of any local area, and an order of the kind contemplated by the law was passed for the survey of all lands included within the external boundaries of pergunnah Guddesswar and Tuppahs Chukla Nye and Butsaleh in the district of Mozufferpore. The operations undertaken were of an experimental nature, to be subsequently extended to a wider area, if found to be successful. Four hundred and thirteen square miles were surveyed up to the end of July, and a record of rights was made in respect to the holdings of 26,123 ryots, classified as follows:—

	No.	Percentage on total.
Cultivating tenure and undertenure-holders ...	12	0.04
Ryots at fixed rates ...	948	3.63
Settled ryots ...	21,750	83.26
Occupancy ryots, but not settled ...	250	0.96
Non-occupancy ryots ...	1,608	6.16
Under-ryots ...	1,555	5.95
	<hr/> 26,123	<hr/> 100.00

4. The result of this tentative measure, so far as it has gone, shows that the average area held by a ryot was three acres. The cost of survey was nearly 9 annas an acre on the area surveyed, but this included certain initial expenses, and the Director of the Agricultural Department estimates that the total cost of survey and settlement would not, at the conclusion of the work, exceed $8\frac{1}{2}$ annas an acre, which he describes as a tenth part of one year's rent—certainly a moderate price to pay for a permanent record securing the interests of all parties. There was neither opposition to the survey, nor friction in carrying it out. The Lieutenant-Governor considers that this work has been ably and successfully executed, under the supervision of the Director of the Agricultural Department, by Colonel Barron and Mr. Edward Collin. It will be of permanent value, both as a monument of local rights, and as a proof that the province generally may be protected by an accurate survey and a record of rights with little trouble, and at a cost moderate in proportion to the area dealt with.

5. In his advocacy of surveys, the Director goes so far as to maintain that, without some such measure, the Bengal Tenancy Act will be altogether inoperative in Behar, and that it will leave the cultivators absolutely at the mercy of the owners of land. He has spoken so strongly on the subject, that it seems necessary to note that his views are not identical with those frequently expressed by the Bengal Government. That no law, unsupported by executive action, can completely and satisfactorily settle the relations between landlord and tenant in that Province is most true; but in supporting this position, it is not necessary to assert that no effect whatever can be produced by the law now administered through the Civil Courts. The latter opinion seems connected with a mistaken view of the origin and nature of the power of the Behar zemindars, who have, in most cases, no feudal or other influence, and derive such strength as they possess entirely from the law. It has frequently been noticed that the proprietors most potent for evil are pleaders, mooktears and other new men, who have recently purchased estates, over the residents on which they neither can nor do possess any influence beyond that which they gain, directly or indirectly, from their legal rights, as construed by the Courts. How extensive these legal powers were appears from the statement made by the Behar Rent Committee of 1879, that an examination of the jumabundee papers of Behar estates showed that less than one per cent. of the ryots had tangible evidence of occupancy rights, and that of the remaining 99 per cent. it was doubtful whether even one could prove the possession of such rights. Those who were not able to show a title as occupancy ryots, that is to say, the main body of the cultivators, were held by the Courts to be either tenants for short periods under leases, or more generally tenants-at-will; and to these the old law gave no power to contest any rent the

zemindar might demand, unless they were willing to abandon their holdings. The very completeness of the power which, under the law, the landlord possessed over tenants-at will, or tenants holding on short leases, obscured its origin, and, as it was not exercised according to law, few could realize that it was founded upon, and supported only by legislative enactments. The zemindars themselves—and they have expressed their views clearly and frequently—have always shown that they understand this position, and have displayed none of the Director's indifference to legal rights. They at least have never failed to realize that their power, however great its extent, and however illegally it might on occasions be exercised, was derived ultimately from the law, and could therefore be altered or diminished by law. The change effected by the new Act is illustrated by the fact that, on the area surveyed, not one per cent., but 88 per cent. of the ryots have proved that they possess occupancy rights, or a position even superior to that of occupancy ryots. Though the Director comments on the limited sale in Mozufferpore of the new forms of receipts for rent, the use of which is a test of the extent to which the Bengal Tenancy Act is being enforced, it appears that no less than 221,800 specimen forms were sold in that district before the end of June 1886, that is within nine months of the introduction of the law, and that purchases were also made for use in the district from private firms in Mozufferpore town and in Calcutta. It may further be noted that what is true about Mozufferpore upon this point is clearly established all over Bengal. The number of holdings in the district of Mozufferpore is not known, but that of agriculturists is 453,570 according to the last census. The Lieutenant-Governor would wish, in the interests of the zemindars as much as in those of the tenants, that the rights and liabilities of all classes under the new order could be ascertained and recorded, as they have been in the selected area; but even without this supplemental work there can be no doubt in his opinion that the Act, which so greatly facilitates the proof of occupancy rights, that is of fixity of tenure at judicial rents, which substitutes the open sale of such rights for eviction in case of default of payment, which withdraws the power of distraint otherwise than through the Courts, and generally curtails the power of the landlord to inflict annoyance under the form of law, will prove a real and substantial defence to the ryots against illegal encroachments. The *guzashta* and other ryots of Behar, who possessed substantial privileges under the old law, were able to defend their position, and their attitude gives no countenance to the allegation that, when cultivators really have rights capable of proof in court, they nevertheless submit tamely to extortion. In this Sir Rivers Thompson is happy to be able to adopt the language used by the late Secretary of State who, in his despatch No. 24, dated 23rd June 1885, wrote: "Upon the arguments urged against the provisions of the Act from the point of view of the tenant, I would remark that, though the Act may not confer upon the tenants all the advantages to which some may have deemed their class entitled, I have no doubt that it will prove in a high degree beneficial to the ryots generally, especially to the most numerous and important class—the settled ryots—whose claims are also the strongest."

6. A great number of agricultural experiments were made under the skilled supervision of the Cirencester graduates, and with the co-operation of zemindars and cultivators, particularly of the Maharajah of Dumraon, Mr. Burrows of Beheea, and Moulvie Fazl Imam of Patra. A programme of experiments to be tried during the present year has been arranged with the Agricultural and Horticultural Society. In Bengal more, perhaps, than in other parts of India, there exists a large class of educated men connected with agriculture by their daily pursuits, and ready, when properly approached, to work with official experts for the purpose of ascertaining facts, testing supposed improvements, and diffusing useful information. In this respect Bengal is probably the most promising field yet opened to the Agricultural Department. The readiness with which any real improvement is accepted by the ryots in these provinces is illustrated by the fact that they have bought from the department 564 of the ploughs invented by Mr. Sen and Mr. Ritter Von Schwarz, and ordered 400 more, though the in-

strument has not as yet been perfected, and its sale is therefore not pushed. As instances of successful experiment, the Director makes the following remarks:—

“As examples of what may be effected in this way, it may be here mentioned that Mr. Sen’s report shows that in the Burdwan Division oil-cake is largely used by ryots as a manure in the cultivation of paddy with excellent results, while in many other parts of the country the practice is unknown. Similarly, the system of green manuring by ploughing in a crop of indigo, *sunu*, or *dhainchi*, of which a good deal has been written, is found to be actually practised by ryots in parts of Burdwan and Hooghly, in the Jamalpore sub division of Mymensingh, and it may be practised in other places also. Again, the Mauritius system of cultivating sugarcane, the superior advantages of which have been tested by experience and strongly recommended by Messrs. Mylne and Thompson of Beheea, is known and practised on the banks of the Damoodar and among the market gardeners in the neighbourhoods of Dacca and Calcutta. All the practices just mentioned are, on the other hand, unknown in the Bhagulpore and in the greater part of the Patna Divisions. A special department, even if it eschewed western innovations on existing practices altogether, can do much good by introducing in such places as Bhagulpore and Patna the practices proved by experience to be beneficial in Burdwan or Mymensingh. To take another example of the same thing, it may be mentioned that efforts have from time to time been made to improve the quality of Bengal wheat, by introducing seed from Mozuffernagar and Delhi in ignorance of the fact that the very best wheat in all India, known as Buxar No. 1 club, is largely produced and exported from the Buxar and Sasseram sub-divisions of Bahabad in Behar. This species was appraised by the Committee of the Calcutta Wheat and Trades’ Association, and was compared with the grain produced in the neighbouring division of Bhagulpore, and found to be 4 annas per maund superior to the latter in value. The Buxar seed was accordingly introduced into Bhagulpore, and yielded a grain described by the Committee of the Wheat and Trades’ Association to be a “splendid description of wheat—soft, mellow, bold, regular, and of good colour”—and 6 annas a maund superior in value to the local Bhagulpore grain. Applications for some hundreds of maunds of Buxar seed have since been received from various landholders in the Bhagulpore and other divisions for experimental cultivation of species. Here inquiry and knowledge of the facts elicited by it has shown the way to one very tangible and important improvement.”

7. Mr. Allen, in his valuable report attached to that of the Director, notices that the sole exception to the preservation by the cultivators of all sources of manure is the waste of bones, the best substance for restoring the phosphoric acid which every crop takes out of the soil. The bones were formerly suffered to lie where they might be of some little use, but are now collected gratuitously, ground into meal at Bally and elsewhere, and exported to Europe to the great detriment of Indian agriculture. Mr. Allen writes:—

“The only way to bring home to him (the cultivator) the folly of wasting this manure is to shew the improved outturn from crops which have been manured with bones. The quickest means of rendering bones soluble and effective is to dissolve them in acid, but the process is too costly for adoption by the ordinary farmer. Accordingly, I proceeded to ferment bones in various places, and these will be applied to crops not only at the demonstration farms under my charge, but in a number of villages under the Court of Wards. It is to be hoped that the increased outturn, and the ease with which this manure can be prepared, may overcome caste prejudices, but of this it would be unwise to speak too confidently. In one case I induced an intelligent zemindar, Moulvie Fazlar Rahman of Dunri, to manure his beet-root with some bones which he had buried some years ago. The result was that he obtained finer roots than he had grown heretofore, but they were literally unsaleable in the local bazar solely because they had been manured with bone. No such prejudice was shown at Arrah against the wheat which I had grown there on land similarly treated, so the experiments will be continued with the field crops, though the effect of bones is usually more apparent when applied as in Europe to root crops.”

8. Greater success has been obtained in the Burdwan district, as stated in the following passage of the Director’s report:—

“Bone-meal was distributed in small quantities among selected talookdars in Burdwan, and was used as manure on rice and other crops with beneficial results. Brahmins are now glad to take it in their cloths, with their own hands, though perfectly aware of what it is they are taking. The pundits have declared that there is no harm in their doing so. Already small quantities of this manure have been purchased by ryots and talookdars, who have had an opportunity of observing the benefits resulting from the use of it, and Mr. Sen reports that there will be no difficulty in disposing of large quantities of it, for manureal purposes, when the next paddy crop is being sown.”

9. Owing to the absence of a village agency—a want which affects the Government of Bengal in every effort towards administrative reform—it is impossible to prepare for Bengal returns of the area sown with each crop, as is done in other provinces.

On the other hand, the residence in the interior of almost every district of skilled men engaged in agriculture or trade, and willing to supply information, enables the Director to afford, as to the probable outturn of crops, information of the character on which traders are accustomed to act. His forecast of the jute crop, founded on the reports of some hundreds of skilled correspondents, has been favourably noticed by the Dundee Chamber of Commerce. He also supplied a valuable report on wheat and its adulteration, which may be of use in the trade.

10. An Agricultural Show was held at Dumraon, in the district of Shahabad, in February 1885, and another at Barrahpore, in the same neighbourhood, in February 1886.

Agricultural Exhibition.

Of the first of these annual gatherings, the Director writes:—

“One useful result which followed the Doomraon Agricultural Exhibition was that the Maharajah of Doomraon, with a laudable desire to test the value of improved methods of cultivation, opened out on his *zirat* lands the experimental farm already described.

“There was considerable competition in exhibits of grain, millets, pulses, and oil-seeds.

“The ryots at the Exhibition asked for samples of the best varieties of some grains which were not produced locally, viz., white varieties of linseed, gram, janera, and peas, and some fine qualities of paddy. They also took much interest in the awards for wheat, and on the recurrence of a similar Exhibition last cold weather in the neighbourhood at Barrahpur, some of the ryots who had received prizes at this Exhibition, but failed to do so at Barrahpur, questioned the propriety of the awards and seemed to be keenly interested in the results. If these Exhibitions are continued, and the cultivation of the better kinds of grain is thus fostered in Shahabad,—the district which has taken the lead of all others in attempts at agricultural improvement,—the cultivators on Government estates may be induced to grow *pedigree* wheat for seed alone.”

As to the second, he states:—

“An Agricultural Exhibition was held at Barrahpur near Doomraon at the end of February 1886, and as I was present at it myself, I can testify to its having been a successful one. It was largely attended; the ryots took much interest in the proceedings. Mr. Power, the Collector, Mr. Jenkins, the Sub-divisional Officer, Mr. Allen, and the Executive Committee, took great pains in organizing this Exhibition, which they attended at much personal inconvenience. It was held in connection with a local *melâ* in a somewhat out-of-the-way place, and was not accompanied by any of the social festivities which sometimes make these gatherings attractive.”

11. Sir Rivers Thompson hopes to be able to attend the Show which is to be held at Dumraon next February, and to judge for himself as to the utility of what under the Maharajah's auspices has become an annual institution. Under skilled supervision, and when supported by the public, such Shows produce excellent results, in diffusing agricultural knowledge, and in attracting the sympathy of the wealthy and intelligent classes to the details of the most general and indispensable of industrial pursuits.

12. An Exhibition took place at Kissengunge, in Purneah, in January 1886, at which there was a ready sale for axes, sickles and bill-hooks exhibited by Messrs. T. E. Thomson and Company. A demand has since arisen for the seed of superior class of potatoes exhibited. There were Exhibitions also organised without European aid in the Backergunge and Noakhally districts.

13. The Lieutenant-Governor desires to thank Mr. Finucane for zealous efforts in starting the Agricultural Department in Bengal and his efficient management of it since its establishment. Messrs. Allen, Collin, and Sen have materially contributed to its success by their co-operation. He also notices with pleasure the favourable mention made by the Director of the services rendered by gentlemen unconnected with the department.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Offg. Secretary to the Government of Bengal.

THE IRON WORKS AT BARÁKAR.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

GENERAL—ACCOUNTS.

Dated Calcutta, the 11th January 1887.

THE following list of articles that can be manufactured at the Iron Works at Barákar is published for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secretary to the Government of Bengal,**P. W. Dept.**List of Articles that can be manufactured at the Iron Works at Barákar.*

Number of items.	NAMES OF ARTICLES.	Rate per cwt. at Barákar.			REMARKS.
		Rs.	A.	P.	
1	Pipes (socket), cast-iron ...	4	0	0	Faced joints and drilled bolt holes.
2	Flange pipes, ditto ...	6	0	0	
3	Special piping (bends, tees, &c.) ...	from 7	0	0	
4	Cylinders ...	to 7	8	0	
5	Pillars and brackets ...	from 7	8	0	Per cwt.
6	Girders ...	to 7	0	0	
7	Chairs for rails ...	from 7	8	0	
8	D. O. sleepers (cast-iron parts), metre gauge ...	to 3	4	0	
9	D. O. sleepers (cast-iron parts), broad gauge ...	from 3	2	0	Per gate.
10	Road-rammers ...	to 5	8	0	
11	Railings ...	from 4	8	0	
12	Gates ...	to 8	0	0	
13	Monkeys ...	from 8	0	0	Per cwt.
14	Weights (cast-iron) ...	to 5	0	0	
15	Anvils ...	from 8	0	0	
16	Axle-boxes, cast-iron parts only ...	to 6	0	0	
17	Ditto ditto ditto ...	from 6	8	0	For metre gauge railways. For broad ditto.
18	Fire-bars for engines ...	to 5	0	0	
19	Trolley wheels, faced ...	from 7	0	0	
20	Ploughs (complete) ...	to 3	12	0	
21	Ditto (cast-iron parts only) ...	from 4	0	0	Per piece.
22	Hand water-lift ...	to 1	2	0	
23	Water-lift for bullock power ...	from 1	10	0	
24	Castings (cast-iron), of sorts ...	to 30	0	0	
		from 90	0	0	Ditto.
		to 3	8	0	
		from 20	0	0	Per cwt., according to weight per piece, complication of pattern, and quantity ordered.
		to 20	0	0	

N.B.—Further particulars may be obtained from the Superintendent of the Iron Works at Barákar.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 8th January 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts</i>			
BURDWAN DIV.	1 Baranah, Jan. 8, '87	Nil	Weather—seasonable. <i>Rubbee</i> doing well. Price of rice 23½ to 29½ seers per rupee. Public health fair.
	2 Bankoora, " 8 "	0.05	Weather—not seasonably cold. A light shower of rain fell at Sudder on the 7th instant, and will do some good to the standing crops. <i>Amun</i> harvest is finished. Prospects of <i>rubbee</i> continue favourable. Prices stationary. Public health good.
	3 Beerbhoom, " 8 "	0.55	Weather—cold; showery at close of week. Harvesting of <i>amun</i> has well advanced; outturn good. Recent showers will benefit <i>rubbee</i> crops. Price of rice still falling. Cholera has partially abated.
	4 Midnapore, " 8 "	0.31	Weather—variable; rain on 7th and 8th. <i>Amun</i> harvest practically over except in Contai sub-division; yield quite up to average. Public health normal.
	5 Hooghly, " 8 "	0.35	Weather—seasonable; slight rain on the 7th and 8th. Harvesting of <i>amun</i> nearly completed. <i>Rubbee</i> prospects satisfactory. A few cases of cholera.
	6 Howrah, " 10 "	0.75	Heavy rain on Friday evening and Saturday, otherwise weather seasonable. Rice harvest highly satisfactory.
<i>Central Districts</i>			
PRESIDENCY DIV.	7 24-Parganas, Jan. 11, '87	1.20	Weather—seasonable. Harvesting of <i>amun</i> still continues; outturn expected to be above the average. Other crops promise well. Public health has improved, fever being less prevalent everywhere.
	8 Nuddea, " 8 "	0.07	Slight rain on the night of 7th. Prospects of spring crops good. Cholera decreasing everywhere.
	9 Khooluk, " 8 "	0.12	Weather—seasonable; a little cloudy. <i>Amun</i> rice nearly harvested; outturn satisfactory. Public health good.
	10 Jessor, " 8 "	0.28	Weather—cold; slight rain at the latter part of the week. Harvesting of <i>amun</i> not yet finished. <i>Rubbee</i> crops doing well. Fever and cholera continue.
	11 Moorshedabad, " 8 "	0.49	Weather—seasonable; rain on 7th. <i>Amun</i> is still being harvested; outturn good. Prospects of winter crops good.
	12 Lalbagh, " " "	0.44	
RAJSHAHY DIV.	13 Kandi, " " "	0.40	
	14 Dinagepore, Jan. 7, '87	Nil	Weather—fair; latterly cloudy, but no rain. Prospects of <i>rubbee</i> crops good. Harvesting of rice and sugarcane finished. Rice 21 to 29 seers per rupee. Cholera reported from Chintamon and Kutwali thanas.
	15 Rajshahye, " 8 "	0.28	Weather—cooler since beginning of this month. Prospects of spring crops good. <i>Amun</i> harvest nearly completed. Fever abated. Some cholera in south-east of district.
	16 Rangpore, " 8 "	.....	Weather—very cold. A heavy shower of rain with hailstones on the morning of 8th has seriously injured the tobacco crop. Harvesting of <i>amun</i> about to be finished. Mustard and potatoes are being gathered. Public health improving.
	17 Bogra, " 8 "	0.50	Weather—cold; rain on morning of 7th, and since then cloudy. Harvesting of <i>amun</i> nearly finished. Winter crops doing well. A few sporadic cases of cholera still reported.
	18 Pubna, " 8 "	0.27	Weather—cold; cloudy from 4th to 7th. Rain on the 7th. <i>Amun</i> crop nearly harvested. Winter crops promising. General health good.
DACCA DIVISION.	19 Darjeeling, " 8 "	Nil	Ordinary cold weather. Prospects of crops good.
	20 Julpigoree, " 8 "	Nil	Weather—cold and foggy. Harvesting of paddy drawing to a close. Winter crops doing well. Public health good.
	21 Eastern Districts.		
	22 Dacca, Jan. 8, '87	Nil	Weather—cold and foggy. Pressing of sugarcane has commenced. Planting of <i>boro</i> paddy going on. Winter crops doing well. Prospects good. Sporadic cholera still prevailing in various parts of the district.
	23 Farreedpore, " 8 "	0.20	Weather—cold and rainy. State and prospects of crops good.
	24 Goalundo, " " "	Slight rain.	
CHITTAGONG DIV.	25 Backergunge, " 6 "	Nil	Weather—seasonable. <i>Amun</i> paddy is being harvested. Fever prevailing all over the district. Cholera and a few cases of small-pox reported from some stations.
	26 Mymensingh, " 7 "	Nil	Weather—fine till the morning of 7th, when there was a storm and it became cold and damp. Transplanting of <i>boro</i> rice has begun. Harvesting of <i>amun</i> rice continues. Prospects good.
	27 Chittagong, Jan. 11, '87	0.03	Weather variable. Reaping of <i>amun</i> nearly over. Winter crops promising. Prices steady. Public health good.
	28 Noakhali, " 7 "	Nil	Weather—seasonable. <i>Amun</i> rice nearly harvested; outturn very good. Chillies are being transplanted. Ground is being prepared for <i>mug</i> and sesamum. Cholera less frequent. Some cattle-disease.
	29 Tipperah, " 6 "	Nil	Weather—cold and clear. <i>Amun</i> harvest is reaped; outturn on the whole is below the average. Betelnuts and coconuts are coming into market. The old betelnut trees have not been damaged by the floods, but many young plants were killed. <i>Boro</i> paddy is being transplanted. Prices of food-grains higher in the north than in the south. A good deal of cholera reported.
	30 Chittagong Hill Tracts, " 4 "	Nil	Weather—very cold with fogs up to 10 A.M. Mustard, tobacco, and other cold-weather crops doing well.
CHITTAGONG DIV.	31 Hill Tipperah, " 5 "	Nil	Weather—cold. <i>Amun</i> paddy continues to be reaped. Cotton and <i>til</i> gathered; outturn fair. Sugarcane doing well. Public health good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIVN.	26 Patna, Jan. 8, '87	0.08	Weather—clear, except on 7th, when it was cloudy accompanied with some showers in the evening and at night. Prospects of <i>rubbee</i> and poppy continue good, and rain will prove beneficial to both of them. <i>Rahar</i> and cotton promising. Public health generally good.
	27 Gaya, " 8 "	0.15	Weather—cool. Last two days cloudy. Prospects of <i>rubbee</i> good. *Poppy plants good. General health good.
	28 Shahabad, " 8 "	Nil	Prospects of <i>rubbee</i> crops favourable. Easterly winds and cloudy weather are injurious to poppy. Public health fair.
	29 Darbhanga, " 8 "	Nil	Weather—foggy. Harvesting of paddy nearly over. Prospects of <i>rubbee</i> crops continue very favourable. A little rain would be greatly beneficial to them. Tobacco looking well. Prices almost stationary. Public health generally good.
	30 Mozufferpore, " 8 "	Nil	Weather—clear and cold in early part of week; latterly cloudy. Rice crop is being thrashed. <i>Rubbee</i> crops and poppy in excellent condition.
	31 Sarun, " 8 "	Nil	Weather—cloudy, but no rain. <i>Rubbee</i> and poppy doing well. Harvesting of paddy continues with favourable outturn. Public health good.
	32 Chumparan, " 8 "	Nil	Weather—cool and cloudy with east wind. Harvesting of rice nearly completed. Prospects of <i>rubbee</i> and poppy continue favourable. Fields are being prepared for indigo. Public health fair.
BAGULPUR DIVN.	33 Monghyr, Jan. 8 "	0.22	Weather—cold and cloudy at times. Prospects of <i>rubbee</i> and poppy continue favourable. Rice harvesting nearly completed. Sporadic cases of small-pox continue to be reported from Begusarai; otherwise public health generally good. Prices almost stationary.
	34 Bhagulpore, " 8 "	0.23	More rain threatening. Late rice harvest nearly completed. Outturn of <i>kurthi</i> rather short. <i>Rubbee</i> crops benefited by rain. Public health good.
	35 Purneah, " 8 "	Nil	Weather—cool and windy. All crops doing well. Public health good.
	36 Maidah, " 8 "	0.31	Weather—warm for the season; very fine till the 6th instant, since which it has been cloudy and somewhat stormy. <i>Rubbee</i> crops doing well. Price of common rice 25 to 28 seers per rupee. Public health generally good.
	Shibgunge, " " "	0.42	
	Gazole, " " "	0.17	
	37 Sonthal Pergah, " 8 "	0.64	Weather—cloudy and cold. Rain has done some good to standing <i>rubbee</i> crops. Harvesting of paddy nearly over. Prices stationary. Many cases of measles reported from Rajmahal sub-division, and cases of fever from Sudder sub-division; otherwise general health good.
ORISSA.			
ORISSA DIVN.	38 Cuttack, Jan. 7 "	Nil	Weather—seasonable. Reaping of <i>sarad</i> rice continues. <i>Dalua</i> paddy is being transplanted. Sugarcane growing well. Price of rice falling. Common rice sells at 15 Cuttack seers per rupee in town and 18 to 22 seers in the interior. Fever still prevails; otherwise public health good.
	39 Pooree, " 6 "	Nil	Weather—seasonable. <i>Sarad</i> rice is being reaped. Miscellaneous crops doing well. Common rice 26 seers 7 chittacks per rupee in Sudder sub-division and 26½ seers in Khurda sub-division. Fever and cholera reported from the interior.
	40 Balasore, " 7 "	Nil	Weather—rather warm for the season. Reaping of <i>sarad</i> rice still continues in places. Winter crops doing well. Fever and cholera prevail in different parts of the district.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
41	Hazaribagh, Jan. 7, '87	0.40	A storm swept over the station on the night of 6th instant. Prospects of <i>rubbee</i> and poppy crops continue excellent. Cattle-disease slightly increased. Public health is good.
42	Leharagugga, " 8 "	0.09	Weather—cloudy. Winter crops promising. Prices as before. Fever reported from Palamow; otherwise public health good.
43	Singbhoom, " 7 "	Nil	Weather—very warm for the season. Paddy all harvested. Sugarcane and oilseeds are being cut with good outturn. Other cold-weather crops doing well. Cattle-disease reported in Kalkapora thanna. General health good.
44	Warbhoom, " 8 "	0.32	Weather—cloudy with showers of rain. Prospects of winter crops good. Sugarcane is being cut. Harvesting of rice nearly over. Common rice 28 to 32 seers per rupee. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 12th January 1887.P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

STOCK IN HAND AS COMPILED ON—

NAME OF WARE.	1st week of Jan. 1886.	1st week of Feb. 1886.	1st week of Mar. 1886.	1st week of April 1886.	1st week of May 1886.	1st week of June 1886.	1st week of July 1886.	1st week of August 1886.	1st week of Sept. 1886.	1st week of Oct. 1886.	1st week of Nov. 1886.	1st week of Dec. 1886.	1st week of Jan. 1887.
Balaichatta	Mds. 3,62,000	Mds. 5,65,000	Mds. 10,64,000	Mds. 10,74,000	Mds. 9,87,000	Mds. 12,69,000	Mds. 8,43,000	Mds. 5,53,000	Mds. 5,06,500	Mds. 5,60,000	Mds. 3,81,900	Mds. 3,11,000	Mds. 2,89,000
Boisdanga	48,800	85,000	64,800	68,500	65,600	61,800	68,700	57,300	50,500	54,800	56,500	29,900	47,700
Chitpore, Golabaree, Croomer- tooky, Halkhoia, and Culpy Ghat	4,95,300	4,85,000	5,06,900	5,32,300	5,31,900	6,21,800	5,25,300	5,65,200	5,69,800	6,37,400	6,25,100	8,48,100	7,72,900
Pathuriazhatta, Posta, and Jorabagan.	5,000	4,500	4,000	7,000	6,000	5,400	4,000	3,700	3,000	4,000	5,000	4,000	6,000
Talygunge, Chittah, Kidderpore, and Mooshikunze.	1,32,050	1,19,000	1,88,800	1,44,900	1,55,300	1,46,400	1,21,400	1,32,400	1,28,000	1,26,300	1,15,900	1,48,400	1,33,800
21 Minor Bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,41,000	2,40,000	2,41,000	2,40,000	2,40,000	2,40,000	2,41,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Soidyabatty, Nowabgunge, Buddhassar, and Chander- nagar.	8,105	8,454	7,518	11,491	12,045	14,709	14,688	18,477	35,752	30,459	28,114	7,200	5,089
Total ...	14,81,055	17,35,954	22,65,818	23,28,101	22,27,543	25,02,109	20,67,483	18,26,677	17,74,552	19,02,950	17,02,914	18,38,600	17,37,489
On Railway premises on both sides of the river. (By Port Com- missioners' re- turns.)	16,168 (on 4th Jan. 1886.)	21,225 (on 4th Feb. 1886.)	7,401 (on 3rd Mar. 86.)	36,824 (on 3rd April 86.)	31,759 (on 4th May 86.)	5,989 (on 3rd June 86.)	2,720 (on 3rd July 86.)	3,838 (on 3rd August 86.)	11,011 (on 4th September 86.)	6,828 (on 2nd Oct. 86.)	11,804 (on 4th Nov. 86.)	7,218 (on 4th Dec. 86.)	21,920 (on 4th Jan. 87.)
On boats ... loaded ...	52,297 (1st to 3rd Jan. 1886.)	60,024 (1st to 3rd Feb. 1886.)	59,087 (1st to 3rd Mar. 86.)	29,989 (1st to 3rd April 86.)	23,151 (1st to 3rd May 86.)	18,065 (1st to 3rd June 86.)	19,137 (1st to 3rd July 1886.)	30,439 (1st to 3rd August 86.)	35,147 (1st to 3rd September 86.)	21,144 (1st to 3rd Oct. 1886.)	25,219 (1st to 3rd Nov. 86.)	39,278 (3rd to 5th Dec. 86.)	75,353 (2nd to 4th Jan. 1887.)
(By Canal returns.)	1,11,427 (1st to 3rd Jan. 1886.)	1,55,846 (1st to 3rd Feb. 1886.)	1,09,322 (1st to 3rd Mar. 86.)	33,779 (1st to 3rd April 86.)	19,525 (1st to 3rd May 86.)	19,117 (1st to 3rd June 86.)	24,286 (1st to 3rd July 1886.)	15,736 (1st to 3rd August 86.)	36,389 (1st to 3rd September 86.)	44,919 (1st to 3rd October 86.)	24,281 (1st to 3rd Nov. 86.)	21,411 (3rd to 5th Dec. 86.)	78,253 (2nd to 4th Jan. 1887.)
Grand Total of Stocks ...	16,00,247	19,71,049	24,33,228	23,92,774	22,73,593	25,45,241	21,14,631	19,35,918	18,57,069	19,73,611	17,64,018	18,97,507	19,16,045
Probable stock available for exportation by sea.	6 lakhs.	9½ lakhs.	13½ lakhs.	13½ lakhs.	12½ lakhs.	14½ lakhs.	10½ lakhs.	8½ lakhs.	8 lakhs.	9½ lakhs.	7½ lakhs.	8½ lakhs.	8½ lakhs.

STATISTICAL DEPARTMENT.

The 10th January 1887.

P. NOLAN,
Offg. Secretary to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																			
Western Districts.																			
1	Burdwan	17 4	14 4	15 0	...	...	...	20 8	20 8	11 4	26 10	26 10	16 8	...	...	...	...	...	...
2	Bankura	18 0	18 8	16 0	24 0	24 0	18 0	22 8	22 0	18 0	30 0	26 4	21 4	...	...	...	...	...	...
3	Peerbhoom	20 0	20 0	15 0	...	...	...	19 8	18 0	13 8	25 8	25 8	18 0	...	...	...	...	20 0	...
4	Midnapore	17 0	17 0	12 0	...	...	...	17 0	17 0	19 0 (new)	25 0	25 0	21 0	...	...	...	...	...	...
5	Hoochly	16 0	16 0	16 0	...	...	...	0 0	10 0	10 0	17 0	17 0	13 0	...	...	...	...	...	...
6	Howrah	5 0	15 4	15 0	...	...	...	13 8	13 4	9 0	18 0	18 0	13 4	...	...	...	...	...	...
Central Districts.																			
7	Calcutta	14 10	16 2	14 4	21 3	21 4	19 15	9 6	9 8	6 4	16 12	16 9	8 14	13 6	13 2	13 0	...	...	...
8	24 Pergunnahs	14 4	15 0	14 0	21 4	21 4	16 0	8 0	8 0	8 0	18 4	16 13	11 8	...	...	...	...	...	...
9	Nuddea	16 0	16 0	13 15	32 0	32 0	...	16 0	15 0	13 5½	20 0	18 0	14 8	...	...	...	...	...	...
10	Khoolna	...	...	...	...	...	...	17 0	17 0	14 0	21 0	21 0	16 0	...	...	...	...	...	...
11	Jeasore	16 0	16 0	12 4	...	...	...	14 0	14 0	10 0	21 0	21 0	17 0	...	...	...	...	...	...
12	Moorshedabad	17 0	17 0	16 4	...	...	...	13 0	13 5	14 0	25 8	23 0	17 8	...	...	...	...	...	...
13	Dinagapore	11 0	11 0	14 12	20 0	20 0	17 8	21 8	21 9	16 12	27 8	27 0	21 4	...	...	...	...	...	...
14	Rajshahye	20 0	21 0	16 8	48 0	44 0	18 0	18 0	15 12	11 4	22 8	21 12	19 8	...	...	...	...	...	...
15	Rungpore	17 0	18 0	20 0	...	...	...	18 0	16 0	16 0	23 10*	17 0	20 0	...	...	...	...	...	...
16	Bogra	15 0	16 8	15 0	...	...	...	15 0	15 0	9 12	24 0	24 0	24 0	...	...	...	...	...	...
17	Pabna	22 8	21 0	17 4	...	...	...	8 0	8 0	8 4	26 4	23 0	18 12	...	...	...	...	...	...
18	Darjeeling	11 0	10 0	10 0	10 0	10 0	10 0	5 0	5 0	5	14 0	16 0	12 0	...	...	...	...	...	...
19	Julpigoree	13 4	13 0	12 0	20 0	20 0	20 0	18 0	13 0	10 0	26 0	26 0	22 0	...	...	...	...	...	...
Eastern Districts.																			
20	Dacca	16 0	16 0	14 0	26 0	26 0	26 0	15 0	14 0	4 8	17 0	17 0	18 8	...	...	...	...	...	...
21	Furzedpore	20 0	20 0	16 0	26 0	26 0	20 0	16 0	16 0	13 8	22 0	22 0	16 0	...	...	...	...	...	...
22	Backergunge	...	...	...	...	...	...	15 0	14 8	13 0	17 4	17	16 0*	...	...	...	...	...	...
23	Mymensingh	13 0	12 0	11 8	...	...	...	12 4	10 8	11 4	18 0	16 8	17 8	...	...	...	...	...	...

* The sudden fall in the price of rice is owing to the appearance of new rice in the market.

A In sub-divisions retail prices of salt per rupee were:—Culina and Cutwa 13½ seers and Kameer Buz 13 seers.

B In Bishupore retail price of salt 12 seers per rupee.

C In Rampore Hat retail price of salt 13½ seers per rupee.

D In Contai retail price of salt 13 seers per rupee.

E In sub-divisions retail prices of salt per rupee were:—Srirampore 12 seers and Jehanabad 13½ seers.

F In sub-divisions retail prices of salt per rupee were:—Barasat, Bussirhat and Barrackpore 12 seers, Diamond Harbour (at Kulpihat) 13 seers, and Dum-Dum 11 seers.

G In sub-divisions retail prices of salt per rupee were:—Koochta and Meherpore 12 seers, Chooadanga 13 seers and Banaghat 12½ seers.

H In Sathkira and Bagirhat sub-divisions retail price of salt 11 seers per rupee.

BAJRA OR CUMBU. (<i>Pennisetum typho-</i> <i>ideum</i> .)			MARJA OR RAGI. (<i>Elousine Corocana</i> .)			KANGNI OR KAKUN. ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, CHANA, BHOLA, KADALAY, OR SUNAGA. (<i>Cicer ariselinum</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	21 4	22 4	18 0
...	19 0	19 0	18 0
...	24 0	24 0	16 8
...	18 0	18 0	16 0
...	19 0	19 0	16 0
...	20 8	20 8	17 8

15 0	13 0	15 1	...	...	...	17 12	18 0	...	19 12	19 2	18 2
...	...	...	...	...	...	...	...	...	22 8	22 8	16 0
...	...	...	...	...	...	...	...	...	26 10	22 14	21 6½
...	...	...	...	...	...	...	...	...	16 0	16 0	16 0
...	...	...	...	...	...	...	...	...	21 4	21 4	16 0
...	...	...	...	...	...	...	...	...	31 0	30 0	31 4
...	...	...	...	...	...	...	...	...	20 0	20 0	13 8
...	...	...	...	...	...	...	...	...	28 2	28 2	18 7½
...	...	...	...	...	...	...	...	...	17 0	17 8	13 4
...	...	...	...	...	...	...	...	...	16 8	16 8	19 8
...	...	...	...	...	...	...	...	...	22 0	22 0	15 0
...	...	...	13 0	13 0	12 0	...	...	...	12 0	13 0	10 0
...	...	...	...	...	...	...	...	...	16 10	16 0	14 0
...	...	...	...	...	...	...	...	...	18 0	17 0	14 8
...	...	...	...	...	...	...	...	...	21 0	21 0	16 0
...	...	...	...	...	...	...	...	...	16 0	16 0	16 0
...	...	...	...	...	...	...	...	...	18 12	18 0	13 8

INDIAN-CORN OR MAIZE, (<i>Zea Mays</i> .)			ARHAR OR THUR. CAJAN PEA, (<i>Cajanus indicus</i> .)			PINEWOOD.		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	25 11	27 0	...	120 0	120 0	120 0
39 0	38 0	26 0	20 0	20 0	...	280 0	280 0	280 0
...	...	...	18 0	18 0	21 0	160 0	160 0	160 0
...	...	...	16 0	16 0	...	155 0	155 0	155 0
...	...	...	13 0	13 0	...	120 0	120 0	120 0
...	...	...	14 12	14 12	...	90 0	90 0	90 0
24 10	24 10	19 15	19 15	18 10	...	79 0	80 0	90
26 8	26 8	17 8	18 4	18 4	...	100 0	100 0	100 0
...	...	...	20 0	20 0	...	...	...	...
...	...	...	...	...	...	160 0	160 0	180 0
...	...	...	20 0	20 0	...	130 0	130 0	120 0
40 0	40 0	...	20 0	17 12	...	160 0	160 0	120 0
...	...	...	...	...	...	120 0	120 0	140 0
...	...	...	17 0	17 0	...	240 0	240 0	240 0
...	...	...	11 8	11 8	...	120 0	120 0	120 0
...	...	...	...	...	...	90 0	90 0	75 0
...	...	...	18 0	17 12	...	200 0	200 0	200 0
25 0	26 0	22 0	8 0	8 0	...	120 0	120 0	120 0
...	...	...	...	...	...	128 0	128 0	128 0
...	...	...	...	...	...	120 0	120 0	120 0
...	...	...	14 0	14 0	...	120 0	120 0	140 0
...	...	...	13 0	13 0	...	120 0	120 0	120 0
...

Districts of Bengal during the fortnight ending the 31st December 1886.

SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS.			AVERAGE WAGES PER MONTH.									DISTRICTS.
			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			SYCE OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.			
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
BENGAL.															
Western District.															
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	
A	13 9	13 5	13 8	2 14 9	2 15 9	2 15 0	8 0	8 0	7 0	6 8	6 8	6 0	10 0	10 0	10 0
B	12 8	12 0	12 12	3 1 6	3 3 0	3 2 0	5 10	5 8	6 0	4 0	4 0	4 0	7 8	7 0	7 8
C	12 0	12 0	12 0	3 2 0	3 2 0	3 2 0	4 0	4 0	4 0	4 0	4 0	5 0	8 0	8 0	8 0
D	12 8	12 8	12 8	3 0 3	3 0 3	3 1 2	6 8	5 10	6 0	5 0	6 0	6 0	7 8	7 8	7 8
E	13 0	13 0	13 9	3 0 6	3 0 6	2 14 0	7 8	7 8	7 8	5 0	5 0	5 0	10 0	10 0	10 0
	12 0	12 0	13 0	3 2 0	3 2 0	3 0 0	7 8	7 8	7 8	5 0	5 0	5 0	12 0	12 0	12 0
							15 0	15 0	10 0	7 0	7 0	7 0	25 0	25 0	15 0
Central District.															
(Coolies.)															
(Masons.)															
F	12 5	12 5	12 13	3 0 0	3 0 0	3 0 0	10 8	10 0	10 8	6 0	6 0	6 0	15 0	15 0	15 0
G	11 10	11 10	11 10	3 2 0	3 4 0	3 0 0	6 0	6 0	6 0	6 0	6 0	6 0	7 8	7 8	7 8
H	10 8	10 8	12 0	3 12 0	3 12 0	3 4 0	8 0	9 0	9 0	6 0	6 0	6 0	10 0	10 0	10 0
I	10 12	10 12	11 12	3 3 0	3 3 0	3 0 0	7 8	7 8	7 8	6 0	6 0	6 0	15 0	15 0	15 0
J	12 0	12 0	12 0	3 5 0	3 5 0	3 5 0	5 0	5 0	5 0	5 0	5 0	5 0	7 8	7 8	7 8
	12 0	12 0	12 8	3 4 0	3 2 0	3 2 0	7 8	7 8	7 8	6 0	7 0	6 0	10 0	10 0	10 0
K	12 0	12 0	12 12	3 0 0	3 0 0	3 0 0	4 0	4 0	4 0	5 0	5 0	5 0	10 0	8 0	8 0
L	12 0	12 0	12 0	.....	.....	3 4 0	7 8	7 8	7 8	6 0	6 0	6 0	12 0	12 0	12 0
	10 8	10 10	12 0	3 5 4	3 4 0	3 4 0	6 0	6 0	5 0	5 0	5 0	6 0	10 0	10 0	10 0
M	11 6	11 4	12 0	3 6 0	3 5 3	3 1 6	7 0	7 8	6 0	7 8	7 8	6 0	22 0	22 0	15 0
	9 0	9 0	8 0	4 4 0	4 6 0	4 4 0	6 0	7 8	4 0	8 0	6 0	8 0	18 0	18 0	15 0
N	12 0	12 0	12 0	3 4 0	3 4 0	3 4 0	8 0	8 0	7 0	7 0	8 0	7 0	20 0	20 0	15 0
O	10 8	10 8	12 0	3 8 0	3 8 0	3 1 0	6 0	6 0	6 0	5 0	5 0	5 0	8 0	8 0	8 0
P	11 8	11 8	12 0	3 5 0	3 5 0	3 5 0	7 8	7 0	7 8	7 0	7 0	7 0	12 0	10 0	12 0
Q	11 8	11 8	13 0	3 6 0	3 6 0	3 0 0	8 0	8 0	7 8	7 0	6 0	6 0	15 0	15 0	15 0
R	11 12	11 0	12 0	3 6 0	3 7 0	3 4 0	7 0	7 0	7 0	6 0	6 0	6 0	12 0	12 0	12 0
							10 0	10 0	10 0	7 0	7 0	7 0	30 0	30 0	30 0
Eastern District.															
Dacca.															
Furzednare.															
Backergunge.															
Mymensinga.															

† Present rates not furnished.

‡ Also food.

I In sub-divisions retail prices of salt per rupee were:—Jhenida and Narail 12 seers, Magora 10½ seers and Bongong 13 seers.

J In sub-divisions retail prices of salt per rupee were:—Lalbagh 12 seers, and Jungipore and Kandi 12½ seers.

K In sub-divisions retail prices of salt per rupee were:—Nattore 12 seers and Nowgong 10½ seers.

L In sub-divisions retail prices of salt per rupee were:—Kurigram 12 seers, Gaibanda 9½ seers.

M In Seragunge retail price of salt 12 seers per rupee.

N At Fallacotta (in Alipore sub-division) retail price of salt 10 seers per rupee.

O In sub-divisions retail prices of salt per rupee were:—Manickgunge 11 seers, Moonsheegunge 10½ seers and Narsingunge 11½ seers.

P In sub-divisions retail prices of salt per rupee were:—Gaulando 12 seers and Madaripore 12½ seers.

Q In sub-divisions retail prices of salt per rupee were:—Patnakhali 9 seers, Purozopore 11 seers, and Bhola 10½ seers.

R In sub-divisions retail prices of salt per rupee were:—Kishoregunge 9½ seers, Attea 12 seers, Jamalpore and Sherpore 10 seers and Netrokona 12½ seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.		DISTRICTS.	QUANTITIES PER RUPEE IN																	
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			LOWAR OR CHOLU. (Sorghum Vulgare.)					
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts.—Concluded.																				
22	Chittagong ...	16 0	16 0	16 0	...	...	...	13 0	10 0	13 0	18 0	17 0	16 0	...	...	...	
23	Noakholly ...	...	...	...	...	...	...	20 0	15 0	13 0	22 0	18 0	16 0	...	...	...	
24	Tipperah ...	11 8	11 4	13 14	...	...	...	20 2	14 10	15 0	23 8	20 10	17 12	...	...	...	
25	Chittagong Hill Tracts.	...	...	...	...	...	...	11 6½	10 10½	11 6	13 5	12 0	12 4	...	...	...	
	Hill Tipperah	12 0	12 0	12 0	...	...	...	13 0	13 0	13 0	18 0	16 0	17 0	...	...	...	
BEHAR.																				
26	Patna ...	20 0	21 0	21 0	34 0	34 0	26 0	11 8	11 8	10 11	26 8	21 8	15 0	32 0	26 0	...				
27	Gya ...	17 0	19 0	19 8	35 0	30 0	27 8	10 0	10 0	9 0	22 8	22 0	16 8	...	...	...	
28	Shahabad ...	17 0	17 0	17 8	32 0	32 0	23 0	9 0	8 0	10 0	19 0	18 8	15 0	...	...	...	
29	Durbhanga ...	19 14	19 0	17 0	53 0	48 0	30 0	14 6	11 0 (old) 16 0 (new)	10 0	22 0	25 0	18 0	22 0	23 0	...				
30	Mownfarpore ...	20 0	20 0	18 0	32 0	30 0	26 0	12 0	13 0	12 0	23 0	24 0	18 0	...	...	...	
	Saran ...	17 8	18 0	19 8	32 0	32 0	29 0	8 8	8 8	8 8	23 0	22 8	19 0	...	...	...	
	Chumpanun ...	21 0	21 0	...	40 0	35 0	22 0	7 8	7 8	12 0	20 0	19 4	19 0	...	...	...	
33	Mongoyr ...	20 0	18 14	21 0	42 0	42 0	27 14	18 13	15 12	11 8	18 13	23 1	16 12	27 0	36 12	...				
34	Bhagulpore ...	16 6	20 3	18 4	40 6	40 6	24 0	20 3	20 3	16 6	24 0	25 4	18 15	...	...	...	
35	Purneah ...	18 0	17 0	20 0	...	...	...	23 0	20 0	19 0	24 0	24 0	20 0	...	...	...	
36	Maldah ...	15 0	17 0	18 0	...	...	...	16 0	22 0	10 0	25 0	24 0	23 0	...	...	...	
37	Sonhal Pergas.	14 8	16 0	16 0	...	...	...	25 0	20 0	12 0	33 0	33 0	22 0	...	...	...	
ORISSA.																				
3	Cuttack ...	12 2	14 7	15 12	...	...	...	13 2	11 13	10 8	18 6*	18 6	15 12	...	...	...	
39	Pooree ...	14 7	13 2	13 2	...	...	...	15 12	14 7	13 2	22 5	21 0	18 6	...	...	...	
40	Balasore ...	16 0	16 0	15 0	13 0	13 0	10 0	13 0	13 0	13 0	24 0	24 0	18 8	...	...	...	
CHOTA NAGPORE.																				
South-Western Frontier Agency.																				
41	Hazareebagh ...	19 0	19 0	17 0	18 0	21 0	17 0	13 0	13 0	12 0	23 0	21 0	21 0	...	...	...	
42	Lohardugga ...	24 0	24 0	15 0	18 0	18 0	...	22 0	20 0	21 0	29 0	28 0	25 0	...	...	...	
43	Singbhoom ...	24 0	24 0	22 0	24 0	24 0	24 0	28 0	28 0	28 0	32 0	32 0	32 0	...	...	...	
44	Manbhoom ...	16 0	16 0	18 0	30 0	...	...	18 0	17 0	18 0	32 0	30 0	25 0	...	...	...	

S In Cox's Bazar retail price of salt 12 seers per rupee.

T At Panchgachia in Fenny sub-division retail price of salt 9 seers per rupee.

U In Brahmunberiah and Chandpore sub-divisions retail price of salt 11½ seers per rupee.

V In Jehanabad retail price of salt 12 seers per rupee.

W In sub-divisions retail prices of salt per rupee were:—Buxar and Sasseram 12½ seers and Bhabooh 11½ seers.

X In sub-divisions retail prices of salt per rupee were:—Madhubani 11 seers and Tajpore 12 seers.

Y In Hajepore sub-division retail price of salt 12½ seers per rupee.

* In the interior the retail prices of common
† Present rates not furnished.

SEERS OF 80 TOLAHS.

BAJRA OR CUMBU. (<i>Pennisetum typho-</i> <i>ideum.</i>)			MARUA OR RAGI. (<i>Eleusine Corocana.</i>)			KANGNI OR KAKUN. ITALIAN MILLET. (<i>Setaria italica.</i>)			GRAM, CHANA, CHHOLA, KADALAT, OR SUNAGA. (<i>Cicer arietinum.</i>)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	14 0	14 0	13 0
...	13 0	13 0	11 0
...	16 0	17 8	13 14
...
...	12 0	12 0	12 0

26 0	26 0	25 0	26 0	26 0	22 0	20 0	20 0	...	32 0	28 8	22 0
...	...	...	...	...	...	18 0	17 0	...	27 0	27 0	20 0
...	...	...	...	...	...	...	...	...	29 0	29 0	22 0
...	...	...	33 0	32 8	28 0	...	...	...	27 8	27 0	19 0
...	...	...	30 0	26 0	...	...	...	...	30 0	30 0	20 0
...	...	...	28 8	29 0	24 0	15 0	15 0	...	25 0	25 0	21 0
...	...	...	...	...	...	...	...	...	31 8	31 8	18 0
...	...	...	...	...	...	21 0	23 7	...	27 12	27 4	20 0
...	...	...	...	...	...	...	...	...	27 12	26 8	21 7
...	...	...	...	...	...	...	...	...	22 0	24 0	17 0
...	...	...	...	...	...	...	...	...	27 0	31 0	20 0
...	...	...	...	...	...	...	...	...	...	22 0	18 0

...	...	...	...	...	...	...	...	...	(kalai) 18 6	18 6	17 1
...	...	...	...	...	...	...	...	...	(kalai) 15 12	15 12	11 13
...	...	...	...	...	...	...	...	...	15 0	15 0	15 8.

...	...	...	50 0	44 0	33 0	...	...	...	23 0	21 0	20 0
...	...	...	48 0	48 0	48 0	...	...	...	20 0	20 0	19 0
...	...	...	...	...	...	...	...	...	16 0	16 0	12 0
...	...	...	...	...	...	...	...	...	17 0	17 0	17 0

INDIAN-CORN OR MAIZE. (<i>Zea Mays.</i>)			ARHAR OR TUR. CAJAN PEA. (<i>Cajanus indicus.</i>)			PINEWOOD.		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	11 0	9 0	...	75	75 0	120 0
...
...	...	...	10 0	13 4	...	...	...	...
...	...	...	...	...	...	320 0	320 0	320 0
...	...	...	16 0	16 0	...	...	...	...
40 0	38 0	22 0	34 0	26 0	...	110 0	110 0	100 0
...	...	...	24 0	25 0	...	120 0	120 0	160 0
...	...	...	15 0	15 0	...	140 0	140 0	120 0
30 0	30 0	25 0	19 14	19 0	...	176 0	200 0	180 0
22 0	32 0	27 0	21 0	22 0	...	140 0	140 0	140 0
31 8	32 0	25 8	26 0	25 0	...	180 0	160 0	180 0
31 8	31 8	31 0	24 8	24 8	...	...	...	...
42 0	42 0	23 1	21 0	18 14	...	126 0	126 0	123 0
40 0	40 0	25 4	20 3	18 15	...	83 12	170 4	161 8
...	...	...	20 0	19 0	20 0	128 0	128 0	160 0
...	...	...	...	...	...	160 0	160 0	160 0
50 0	...	29 0	27 0	18 0	...	200 0	200 0	200 0
...	...	...	...	...	...	80 0	80 0	80 0
...	...	...	15 12	15 12	...	70 0	80 0	80 0
...	...	...	13 0	13 0	...	140 0	120 0	140 0
40 0	40 0	24 0	19 0	19 0	...	240 0	240 0	320 0
20 0	32 0	26 0	20 0	23 0	...	120 0	120 0	120 0
...	...	...	21 0	21 0	...	320 0	320 0	360 0
40 0	40 0	...	...	...	...	240 0	240 0	240 0

Districts of Bengal during the Fortnight ending the 31st December 1886—(Concluded.)

WHOLESALE PRICES PER MAUND OF 40 SEERS.									AVERAGE WAGES PER MONTH.												DISTRICTS.
SALT.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			SYCH OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.									
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.							
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.							
S	12 0	12 0	13 0	3 2 0	3 2 0	2 13 0	9 0	9 8	9 8	7 0	7 0	7 0	7 0	7 0	7 0	Chittagong.					
T	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	to	to	to	to	to	to	to	to	to	Nonakholy.					
U	11 4	11 8	12 0	3 7 0	3 0 0	3 3 0	11 0	11 0	11 0	8 0	8 0	8 0	12 0	11 0	11 0	Tipperah.					
	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	to	to	to	to	to	to	to	to	to	Chittagong Hill Tracts.					
	11 0	11 0	11 0	3 4 0	3 4 0	3 4 0	6 0	6 0	6 0	5 0	5 0	5 0	6 0	7 0	6 0	Hill Tipperah.					
Eastern Districts.—Concluded.																					
V	11 8	11 8	11 8	3 1 6	3 1 6	3 1 6	8 0	8 0	7 8	6 0	6 0	6 0	15 0	15 0	14 0	Patna.					
W	12 0	12 0	12 8	3 5 0	3 5 0	.....	to	to	to	to	to	to	to	to	to	Gya.				
X	13 0	11 8	11 8	3 0 0	3 4 0	3 4 0	to	to	to	to	to	to	to	to	to	Shahabad.					
Y	12 0	12 0	12 0	3 4 0	3 4 0	3 4 0	to	to	to	to	to	to	to	to	to	Darbhanga.					
Z	12 0	12 0	11 8	3 2 6	3 2 6	3 2 6	to	to	to	to	to	to	to	to	to	Muzafferpore.					
	12 0	12 0	12 0	.....	.....	3 4 0	to	to	to	to	to	to	to	to	to	Saran.			
Z1	12 1	12 1	13 2	3 4 0	3 4 0	2 14 6	to	to	to	to	to	to	to	to	to	Chumpanan.					
Z2	12 10	12 10	12 10	3 0 9	3 3 3	2 15 6	to	to	to	to	to	to	to	to	to	Monghyr.					
Z3	10 8	10 8	10 8	3 10 0	3 10 0	3 10 3	to	to	to	to	to	to	to	to	to	Bhagulpore.					
	11 0	...	12 0	3 5 0	.....	3 4 0	to	to	to	to	to	to	to	to	to	Purnea.				
Z4	12 0	11 4	13 0	3 3 0	3 2 0	3 2 0	to	to	to	to	to	to	to	to	to	Maldah.					
ORISSA.																					
	14 0	14 0	14 0	2 12 0	2 12 0	2 12 0	to	to	to	to	to	to	to	to	to	Cuttack.					
	14 7	14 7	14 7	2 10 0	2 10 0	2 10 0	to	to	to	to	to	to	to	to	to	Poorce.					
Z5	10 8	10 0	10 8	3 8 0	3 12 0	3 10 0	to	to	to	to	to	to	to	to	to	Balasore.					
CHOTA NAGPORE.																					
Z6	9 0	10 0	10 0	3 12 0	3 10 0	3 10 0	to	to	to	to	to	to	to	to	to	Hazareebarn.					
Z7	10 0	10 0	10 8	3 12 0	3 12 0	3 8 0	to	to	to	to	to	to	to	to	to	Lohardugga.					
	9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	to	to	to	to	to	to	to	to	to	Singbhoom.					
	10 10	10 10	10 10	3 6 0	3 8 0	3 6 0	to	to	to	to	to	to	to	to	to	Manbhoom.					

Prices vary from 21 to 26½ seers per rupee.

Z In sub-divisions retail prices of salt per rupee were:—Sewan 12 seers, Gopalgunge 10½ seers.

Z1 In B gu Serai and Jamui sub-divisions retail price of salt 11 seers per rupee.

Z2 In sub-divisions retail prices of salt per rupee were:—Banka and Soopole 11 seers, and Maddapore 10½ seers.

Z3 In sub-divisions retail prices of salt per rupee were:—Kiesengunge 10 seers and Arrareah (at Raniunge) 12 seers.

Z4 In sub-divisions retail prices of salt per rupee were:—Deoghur and Pakour 12½ seers, Rajmahal 12 seers, Godda 11 seers, and Jantara 13 seers.

Z5 In Bhadruck retail price of salt 9 seers per rupee.

Z6 At Kharagdha in Giridi sub-division retail price of salt 12 seers per rupee.

Z7 At Daltongunge in Palamow sub-division retail price of salt 10½ seers per rupee.

Published for general information.

P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARKETS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 0	2 8 0	2 10 0	1 10 3	1 10 0	2 0 0	3 8 0	3 4 0	6 0 0	1 15 0	2 1 0	4 8 0
2	Serajunge ...	...	2 0 0	2 7 0	...	...	...	3 14 0	3 14 0	4 8 0	2 0 0	1 15 0	2 2 0
3	Dacca ...	2 5 0	2 5 0	2 8 0	1 8 0	1 8 0	1 6 0	2 9 0	2 13 0	2 12 0	2 3 0	2 3 0	2 4 0
4	Naraingunge ...	...	...	...	...	...	...	2 6 0	2 9 0	2 14 0	2 0 0	2 0 0	2 3 0
5	Chittagong ...	2 6 0	2 6 0	2 6 0	...	...	...	2 12 0	3 12 0	2 14 0	2 0 0	2 3 0	2 6 0
6	Patna ...	1 13 0	1 12 0	1 10 9	1 2 6	1 2 6	1 4 0	3 0 0	3 0 0	3 0 0	1 7 3	1 13 0	2 4 0
7	Balasore ...	2 4 0	2 4 0	2 8 0	3 0 0	3 0 0	3 3 0	3 0 0	3 0 0	3 0 0	1 10 0	1 9 0	2 1 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 11 0	1 14 0	2 1 0
9	Cuttack ...	3 0 0	2 10 0	2 5 0	...	...	...	3 0 0	3 4 0	3 10 0	2 2 0	2 2 0	2 5 0

CALCUTTA,
The 11th January 1887.

PRICES PER MAUND					
JOWAR OR CHOLU. (<i>Sorghum Vulgare</i> .)			BAJRA OR CUMBU. (<i>Pennisetum typhoides</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
10 02 14 03	0 0 2	8 0 3	0 0 2	8 0	
...
...
...
...
...
3 01 6 0	...	1 6 0	1 6 0	1 6 0	1 7 3
...
...
...

OF 40 SEERS.

MAEUA OR RAGI.
Eleusine Corocana.

KANGNI OR KAKI
ITALIAN MILLET.
(Setaria italica.)

Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
...	2 6 0	2 4 0	...
...
...
...
...
...
6 0 1	6 0 1	8 0 1	1 14 0	1 14 0	...
...
...
...

undermentioned *Marts* of Bengal during the Fortnight ending 31st December 1886.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer Arictinum</i> .)			INDIAN-CORN OR MAIZE. (<i>Zea Mays</i> .)			ARHAR OR THUR LADJAN PEA. (<i>Cajanus indicus</i> .)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 10 0	1 13 0	2 2 0	1 4 0	1 4 0	2 0 0	2 0 0	2 0 0	2 0 0	0 7 0	0 6 9	0 6 3	3 0 0	3 0 0	2 12 0	Calcutta.
1 12 6	1 14 6	2 4 0	...	...	...	...	...	...	...	...	...	3 1 4	3 0 0	2 10 0	Serajgunge.
2 2 0	2 4 0	2 8 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 0	3 8 0	3 8 0	3 1 0	Dacca.
2 0 0	1 13 0	2 7 0	...	...	...	...	...	...	0 6 0	0 7 0	0 8 0	3 2 0	3 2 0	...	Naraingunge.
2 8 0	2 8 0	2 14 0	...	...	...	3 8 0	4 2 0	...	0 5 0	0 8 0	0 4 0	3 2 0	3 2 0	2 13 0	Chittagong.
1 3 6	1 5 6	1 8 0	1 0 0	1 0 9	1 8 0	1 2 0	1 6 0	...	0 5 3	0 5 3	0 5 0	3 1 6	3 1 6	3 1 6	Patna.
2 8 0	2 8 0	2 9 0	...	...	...	3 0 0	3 0 0	...	0 5 0	0 5 0	0 4 0	3 8 0	3 12 0	3 10 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	2 10 0	2 10 0	2 10 0	Pooree.
2 2 0	2 2 0	2 2 0	...	...	...	...	...	...	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

Published for general information.

P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province

METEOROLOGICAL DIVISION.	DISTRICT.	Representative stations.	STATION OBSERVATIONS.														Wind direction.	Wind force.			
			AIR PRESSURE.					TEMPERATURE.						HUMIDITY.		CLOUD.					
			Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.			Variation from normal mean, 10 A.M.		
ORISSA.	{	Pooree	Gopalpore ...	30.167	29.968	30.052	30.02	—	82.2	60.0	79.2	65.0	72.1	—	66	—	2.6	—	61	—	
		False Point ...	30.103	29.963	30.085	30.107	—0.10	82.4	51.0	78.8	59.2	69.0	+1.3	67	—7	3.2	+0.6	12	—		
		Cuttack (a) ...	30.142	29.941	30.023	30.107	—0.03	86.9	54.9	85.7	69.2	74.0	+2.2	66	0	1.6	0	69	—		
		Balasore	Balasore ...	30.177	29.794	30.069	30.127	—	88.4	48.9	74.4	56.9	65.7	—	61	—	0.6	—	30	—	
SOUTH-WEST BENGAL.	{	South-West Midnapore and South 24-Pergunnahs.	Sanger Island ...	30.188	29.981	30.081	30.108	—0.10	85.2	53.8	77.5	61.6	69.6	+1.8	73	—1	2.5	+0.6	0.1	—	
		Midnapore	Midnapore ...	30.059	29.808	29.959	30.115	—	87.3	49.7	81.0	56.5	68.8	—	50	—	2.0	—	N	—	
		24-Pergunnahs, Howrah, and Hooghly.	Calcutta	30.107	29.904	30.089	30.111	+0.02	84.6	51.8	78.3	58.4	68.4	+2.2	61	—8	1.8	—0.1	N	—	
		Burdwan	Burdwan ...	30.123	29.939	30.016	30.120	—0.03	85.5	52.3	79.9	57.0	68.4	+1.6	54	—10	1.7	—0.2	N	—	
		Bankoorah	Bankoorah ...	29.878	29.728	29.799	—	—	84.1	50.8	77.3	56.4	66.9	—	63	—	0.8	—	N	—	
		West Burdwan and Beerbhoom.	Raniganj	29.885	29.703	29.789	—	—	85.1	49.5	79.1	55.6	67.4	—	59	—	1.4	—	N	—	
		Moorshedabad ...	Berhampore ...	30.150	29.974	30.045	30.114	+0.04	82.6	53.2	77.4	58.2	67.8	+1.5	71	0	1.4	—0.5	N	—	
		Nuddea	Krishnagar ...	30.163	29.995	30.060	—	—	84.9	49.1	78.8	55.5	67.3	—	61	—	2.1	—	N	—	
		Jessore and Khoolna ...	Jessore	30.174	29.996	30.074	30.109	+0.08	84.7	53.0	79.4	57.9	68.7	+2.4	65	—4	1.9	+0.4	N	—	
		Chittagong	Chittagong ...	30.101	29.917	29.998	30.091	+0.09	82.6	53.7	78.6	57.7	68.2	0	74	—1	0.8	—1.3	N	—	
EAST BENGAL.	{	Chittagong Hill Tracts	Pennagiri	—	—	—	—	—	81.2	55.1	74.8	60.3	67.6	+1.1	—	—	0.6	—0.2	N	—	
		Backergunj	Barrisal	30.165	29.993	30.079	30.083	—	83.3	54.1	78.1	59.1	68.6	—	62	—	0.7	—	N	—	
		Noakhally	Noakhally ...	30.104	29.928	30.043	30.088	—	81.3	50.7	78.9	55.8	67.3	—	61	—	0.5	—	0	—	
		Furzedpore	Furzedpore (a)	30.157	29.971	30.066	—	—	81.4	54.0	74.4	57.8	66.1	—	67	—	0.4	—	N	—	
		Dacca	Dacca	30.171	29.908	30.075	30.098	+0.17	85.1	56.0	79.6	59.3	69.5	+1.9	61	—7	1.3	0	0	—	
		Tipperah	Coomilla	30.149	29.965	30.049	30.086	—	86.4	50.1	81.1	56.0	68.6	—	70	—	1.3	—	0	—	
		Mymensingh	Mymensingh ...	30.115	29.888	30.031	—	—	80.4	51.1	75.5	56.1	64.8	—	67	—	2.4	—	N	—	
		Bogra	Bogra	30.119	29.936	30.012	30.077	—	81.3	50.9	77.4	55.5	66.5	—	64	—	1.5	—	N	—	
		Pubna	Serajgunj	30.140	29.972	30.049	30.097	—	82.1	52.0	77.5	56.1	66.8	—	71	—	1.7	—	N	—	
		Rajshahye	Rampore Beau- loah.	30.126	29.888	30.011	30.084	—	81.2	49.7	77.2	55.5	66.4	—	61	—	0.6	—	N	—	
NORTH BENGAL.	{	Maldah	Maldah	30.091	29.887	29.997	—	—	80.9	P	76.8	P	P	—	(b) 65	—	0.7	—	N	—	
		Dinagopore	Dinagopore ...	30.066	29.890	29.966	30.091	—	80.6	43.9	76.2	53.2	64.7	—	67	—	1.8	—	N	—	
		Rungpore	Rungpore	30.118	29.931	30.060	30.131	—	80.3	P	77.0	P	P	—	76	—	0.2	—	N	—	
		Jalpigoree and Cooch Behar.	Jalpigoree ...	29.909	29.728	29.816	30.116	—	79.9	48.9	76.1	54.3	65.2	—	71	—	1.7	—	6	—	
		Darjeeling Hill Tracts...	Darjeeling ...	29.132	29.064	29.049	—	—0.11	69.8	31.1	49.2	37.5	43.4	+0.7	79	+4	5.0	+1.0	N	—	
		Purneah and North Bhagulpore.	Purneah	30.025	29.952	29.988	30.131	+0.18	79.2	46.8	75.3	53.8	64.6	+1.4	74	+4	1.4	+0.4	0	—	
		Mozufferpore	Mozufferpore ...	—	—	—	—	—	Observations suspended.											—	
		Durbhunga	Durbhunga ...	30.056	29.886	29.956	30.131	+0.17	78.6	48.3	74.7	57.4	66.1	+2.4	77	+8	1.4	+0.4	0	—	
		Chumparun	Motihari	29.986	29.811	29.877	30.115	—	79.6	41.7	75.1	51.9	63.5	—	68	—	3.4	—	0	—	
		Sarun	Chupra	29.979	29.835	29.908	—	—	78.8	45.2	74.9	53.8	64.4	—	69	—	1.3	—	0	—	
SOUTH BENGAL.	{	Shahabad	Denree	29.850	29.665	29.761	30.133	—	79.1	48.0	73.8	55.0	64.4	—	64	—	2.0	—	6	—	
		Buxar	Buxar	29.974	29.815	29.877	30.131	—	79.3	42.4	75.4	53.4	64.4	—	62	—	1.9	—	6	—	
		Arrah	Arrah	30.005	29.860	29.968	30.116	—	79.8	43.9	76.1	53.4	64.3	—	70	—	1.5	—	6	—	
		Gya	Gya	29.896	29.672	29.729	30.124	—0.14	80.7	49.1	76.4	55.6	65.7	+1.9	54	—2	2.6	+1.0	0	—	
		Patna	Bankipore ...	30.050	29.860	29.943	30.137	—0.08	80.8	44.8	75.9	54.4	65.2	+3.1	66	+2	2.5	+0.7	N	—	
		South Bhagulpore and Monghyr.	Bhagulpore ...	30.035	29.875	29.938	30.107	—	77.4	46.0	74.6	54.4	64.5	—	68	—	1.3	—	N	—	
		Sonthal Pergunnahs ...	Naya Doonka...	29.691	29.526	29.591	—	—	62.6	46.9	70.9	53.0	65.0	—	68	—	1.0	—	N	—	
		Hazaribagh	Hazaribagh ...	28.162	27.997	28.055	30.128	+0.07	76.9	47.3	72.5	52.5	62.5	+1.3	62	0	2.3	+0.4	N	—	
		Isaharouga and Man- bhoom.	Rancher	28.017	27.852	27.916	30.105	—	76.5	40.9	72.7	50.6	61.7	—	59	—	1.7	—	0	—	
		Singbhoom	Chaibassa ...	29.428	29.241	29.315	—	—	86.0	47.7	79.4	53.9	66.6	—	55	—	1.2	—	N	—	

(a) Mean for 30 days.

(b) Mean for 28 days.

(c) Mean for 25 days.

Bengal for the month of December 1886.

DISTRICT OBSERVATIONS.											Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.					Since 15th May.								
Of month.													
Mean of dis- trict.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean num- ber of rainy days.	Mean of dis- trict.	Normal mean.	Variation.	Mean num- ber of rainy days.	Normal mean num- ber of rainy days.				
2.80	0.75	+2.05	8.3	1.4	61.18	55.64	+5.54	102.4	83.1	Gopalpore ... } Pooree ...	ORISSA.		
0.78	0.69	+0.09	2.4	1.4	63.63	51.41	+12.22	104.2	77.5	False Point ... } Cuttack ...			
0.63	0.36	+0.33	0.2	0.8	57.44	53.44	+4.00	78.6	77.1	Balasore ... } Balasore ...			
0.42	0.37	+0.05	1.3	0.9	51.45	62.85	-11.40	87.3	84.9	Saugor Island ... } South-West Midnapore and South 24-Pergun- nahs.	SOUTH-WEST BENGAL.		
0.16	0.34	-0.18	0.7	0.7	45.83	51.53	-5.70	89.4	79.4	Midnapore ... } Midnapore ...			
0.03	0.31	-0.31	0.3	0.9	56.19	51.56	+4.63	86.8	90.2	Calcutta ... } 24-Pergunnahs, Howrah, and Hooghly.			
Nil	0.21	-0.21	0.0	0.6	52.06	46.06	+6.00	80.0	75.0	Burdwan ... } Burdwan ...			
Nil	0.39	-0.39	0.0	0.8	53.36	51.05	+2.31	91.2	89.9	Bankoora ... } Bankoora ...			
0.01	0.17	-0.16	0.5	0.8	65.08	51.38	+13.70	95.6	82.0	Ranigunj ... } West Burdwan and Beerbhoom.			
Nil	0.20	-0.20	0.0	0.7	58.70	48.63	+10.07	93.4	76.9	Berhampore ... } Moorsheadabad ...			
Nil	0.20	-0.20	0.0	0.5	54.47	48.83	+5.64	80.0	77.5	Krishnagar ... } Nuddes ...			
Nil	0.31	-0.31	0.0	0.7	58.35	53.15	+5.20	70.6	81.4	Jessore ... } Jessore and Khoolna ...			
0.15	0.60	-0.45	1.0	1.0	126.90	113.43	+13.57	108.0	106.9	Chittagong ... } Chittagong ...	EAST BENGAL.		
Nil	0.69	-0.69	0.0	1.7	89.06	82.06	+7.00	118.0	113.3	Demagiri ... } Chittagong Hill Tracts			
0.02	0.46	-0.44	0.3	1.0	74.91	77.54	-2.63	106.6	105.4	Barrisal ... } Backergunj ...			
0.01	0.88	-0.87	0.5	1.1	114.55	108.38	+6.17	101.5	108.2	Noakhully ... } Noakhully ...			
Nil	0.16	-0.16	0.0	0.6	59.64	55.06	+4.58	81.0	86.9	Furreechpore ... } Furreechpore(a) ...			
0.01	0.36	-0.35	0.3	1.0	75.95	58.17	+17.78	96.2	89.7	Dacca ... } Dacca ...			
0.02	0.44	-0.42	0.3	1.0	75.93	70.14	+5.79	94.9	96.8	Comilla ... } Tipperah ...			
Nil	0.28	-0.28	0.0	0.8	66.50	69.13	-2.63	84.6	80.3	Mymensingh ... } Mymensingh ...			
Nil	0.29	-0.29	0.0	0.7	65.16	55.97	+9.19	79.3	77.2	Bogra ... } Bogra ...			
0.18	0.15	+0.03	0.5	0.7	58.32	53.22	+5.10	95.0	78.4	Serajgunj ... } Pubna ...	NORTH BENGAL.		
Nil	0.13	-0.13	0.0	0.6	58.26	55.38	+2.88	73.0	77.0	Rampore Beau- lean.		Rajshahye ...	
Nil	0.14	-0.14	0.0	0.7	61.27	53.14	+8.13	83.5	83.0	Maldah ... } Maldah ...			
0.01	0.27	-0.26	0.2	0.7	72.31	53.48	+18.83	87.0	75.2	Dinapore ... } Dinapore ...			
0.09	0.18	-0.09	0.5	0.6	71.91	73.03	-1.12	79.4	75.7	Ranpore ... } Ranpore ...			
0.13	0.20	-0.07	1.4	0.7	108.15	110.39	-2.24	99.2	96.1	Jalpigoree ... } Jalpigoree and Cooh Behar.			
0.32	0.40	-0.08	1.5	1.3	138.60	116.45	+22.15	119.7	108.9	Darjeeling ... } Darjeeling Hill Tracts...			
0.14	0.13	+0.01	1.0	0.5	77.55	56.34	+21.21	80.2	67.6	Purneah ... } Purneah and North Bhagulpore.	NORTH BHAR.		
0.24	0.13	+0.11	1.0	0.5	59.41	41.52	+17.89	69.3	55.4	Mozufferpore ... } Mozufferpore ...			
0.20	0.11	+0.09	0.7	0.5	61.10	42.59	+18.51	65.3	55.1	Darbhanga ... } Darbhanga ...			
1.05	0.16	+0.89	1.5	0.6	60.90	44.84	+16.06	68.0	51.4	Motihari ... } Chumparun ...			
0.43	0.16	+0.27	1.3	0.6	61.18	40.98	+20.20	66.2	55.3	Chopra ... } Saran ...			
0.37	0.29	+0.08	1.0	0.6	51.80	38.77	+13.03	67.0	59.5	Buxar ... } Shahabad ...	SOUTH BHAR.		
0.06	0.29	-0.23	0.5	0.7	64.24	39.55	+24.69	73.4	54.5	Gya ... } Gya ...			
0.00	0.17	-0.08	0.8	0.5	59.14	39.87	+19.27	74.7	59.9	Bankipore ... } Patna ...			
Nil	0.12	-0.12	0.0	0.5	58.41	41.62	+16.79	74.8	64.6	Bhagulpore ... } South Bhagulpore and Monghyr.			
Nil	0.16	-0.16	0.0	0.6	69.73	48.64	+21.09	91.9	73.5	Naya Doomka... } Sonthal Pergunnahs ...			
Nil	0.38	-0.38	0.0	0.7	56.72	49.56	+7.16	88.4	80.1	Hazaribagh ... } Hazaribagh ...			
Nil	0.29	-0.29	0.0	0.8	48.11	46.82	+1.29	94.7	79.8	Ranchee ... } Lohardugga and Man- sonoom.			
Nil	0.42	-0.42	0.0	1.4	43.50	51.35	-7.85	96.0	91.3	Chaibassa ... } Singbhoom ...			

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA	Pooree	Pooree	1.07	0.71	2.10
		Khurdah	1.00	0.46	0.52	0.34	0.02
		Bampur	1.20	1.20	1.10
		False Point	0.05
	Cuttack	Gop	0.15	1.60
		Pipli
		Jagnisingspore	1.75
		Banki	0.58	0.20	0.13
	Balasore	Cuttack	0.11	0.11	0.05	0.21
		Kendrapara	0.20	0.28	0.11
		Jaipore	0.18
		Dharmasalla	0.35
Halasore	Salipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chandbali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bhuddruck	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sorah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST BENGAL.	Midnapore	Balasore
		Jeliasore	0.15
		Baripodah
		Contai	0.05	0.20
	24-Pergunnahs	Saugor Island	0.19
		Tumlook	0.30
		Midnapore
		Ghatol	0.18
	Howrah	Deog	0.21
		Heria
		Bhagwanpore
		Garbeta
Hooghly	Diamond Har-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	bour.	...	...	...	...	...	...	...	...	...	...	...	...	0.82	...	...	...	...	...	...	...
	Canning Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Alipore Jail	...	...	...	...	...	...	...	...	...	...	...	...	0.09	...	...	...	...	...	...	...
Burdwan	Barrackpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dum-Dum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Baraset	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Buseerhat	...	...	...	...	...	...	...	...	...	...	...	...	0.05	...	...	...	...	...	...	...
Bankoora	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mohesreka	...	...	...	...	...	...	...	...	...	...	...	...	0.10	...	...	...	...	...	...	...
	(Oolooberiah).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Serampore	...	...	...	...	...	...	...	...	...	...	...	...	0.11	...	...	...	...	...	...	...
Beerbhoom	Hooghly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jehannabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Culina	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nuddea	Rankoora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bishenpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maliara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Khatra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Khoolna	Indas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kotalpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Anda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gangajalhati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jessore	Raipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sonamukhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bh. Soory	...	...	...	...	...	...	...	...	...	...	...	...	0.01	...	...	...	...	...	...	...
	Hetampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Moorshedabad	Rampore Haut	...	...	...	...	...	...	...	...	...	...	...	...	0.02	...	...	...	...	...	...	...
	Holpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ranachar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kishnaghar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chittagong	Chocadanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Meherpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kooshtea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Satkhira	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chittagong Hill Tracts.	Bagirhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Khoolna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Narail	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Backergunge	Jhenidah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Magoorah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bongong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noakholly	Berhampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lalbagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Azimungu	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jungipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
East Bengal	Chittagong	Lalgola
		Akhrikanj
		Cox's Bazar	0.28
		Chittagong	0.52
Chittagong Hill Tracts.	Kutubdia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Satkanya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangamati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ruma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noakholly	Patuakhali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Perzepore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Burrisal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bhola	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Noakholly	Gournadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bouphat	...	...	...	...	...											

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1886 up to 31st December 1886.	Average rainfall from 1st January up to 31st December 1886.	Station.	District.	Meteorological division.
...	3	1'4	3'88	0'73	2'10	56'54	55'71	Pooree Khurdah.	Pooree	ORISSA.
...	4	1'4	1'34	0'56	0'52	68'78	61'28	Banki.	Cuttack.	
...	4	1'6	4'70	1'31	1'4	71'04	56'51	Falco Point.		
...	12	1'3	1'25	0'70	1'20	64'62	69'07	Gop.		
...	12	?	1'75	?	1'60	68'56	?	Pipti.		
...	1	0'9	1'75	0'44	1'75	71'88	52'57	Jagatsingapore.		
...	3	2'7	0'91	1'14	0'58	68'53	55'63	Bunki.		
...	4	1'4	0'48	0'52	0'21	79'70	58'28	Cuttack.		
...	3	0'9	0'59	0'54	0'28	59'63	57'74	Kendrapara.		
...	1	1'1	0'18	0'80	0'18	66'85	60'20	Jajpur.		
...	1	?	0'35	?	0'35	69'05	?	Dharmasalla.		
...	NH	?	NH	?	NH	?	?	Salipore.		
...	NH	1'0	NH	0'66	NH	61'04	60'33	Chandbali.	Balasore.	
...	NH	0'8	NH	0'41	NH	65'98	59'01	Bhuddruck.		
...	NH	0'5	NH	0'15	NH	65'35	57'60	Sorah.		
...	NH	1'0	NH	0'25	NH	73'96	67'24	Balasore.		
...	1	0'3	0'15	0'12	0'15	66'64	57'99	Jellasore.		
...	NH	1'0	NH	0'27	NH	62'54	61'69	Baripodah.		
...	2	0'6	0'25	0'38	0'20	51'38	70'20	Contai.	Midnapore	SOUTH-WEST BENGAL.
...	1	1'2	0'19	0'32	0'10	70'96	75'00	Saugor Island.		
...	1	0'5	0'30	0'20	0'30	54'20	58'37	Tumlook.		
...	NH	0'9	NH	0'51	NH	48'84	58'05	Midnapore.		
...	1	0'6	0'18	0'32	0'18	58'10	61'97	(Ghat).		
...	1	?	0'21	?	0'21	46'95	?	Denog.		
...	NH	?	NH	?	NH	53'92	?	Haria.		
...	NH	?	NH	?	NH	51'05	?	Rhogeanpore.		
...	NH	?	NH	0'28	NH	54'47	56'30	Garbeta.		
...	1	0'8	0'82	0'33	0'82	60'06	66'95	Diamond Har-	24-Pargunnah-	
...	1	?	0'09	?	0'09	65'91	?	bours.		
...</																				

Table of Rainfall recorded at Station

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
EAST BENGAL — contd.	Noakhally— concl'd. Furreedpore.	Harishpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rampang	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Madariore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Furreedpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dacca	Goalundo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bunshingunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dacca	...	...	...	...	...	...	...	...	...	...	...	...	0'03	...	...	...	...	...	...
		Naraingunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	Manickgunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Joydebpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Agartola	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Tipperah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tipperah	Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chandpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Brahmunberia	...	...	...	...	...	...	...	...	...	...	...	...	...	0'08	...	...	...	...	...
		Ramchandrapore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mymensingh.	Nasirnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudkandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kasba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Laksham	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mymensingh.	Kishoregunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Atia (Langail)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mymensingh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamulpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mymensingh.	Netrokona	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Subarnachally	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Durgapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dewanganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NORTH BENGAL	Pubna	Pubna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Serajgunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bogra	Sherpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nowkhilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bogra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Panchbibi	Panchbibi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rajshahye	Benuloh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Natore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Narayan	Narayan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Manda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maldah	Maldah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chanchal		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gajol		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dinapore	Sibganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mohadhpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Churamon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rangpore	Rangpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kariganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bakerganj	Bakerganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	(Nalpanari).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ukpara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Julpigore	Julpigore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Almora Doar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kalabata	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cooch Behar	Leiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dinhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mishiganj	Mishiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mishiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mishiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Darjeeling Hill	Buxa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Siliguri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Darjeeling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Purneah	Kalimpong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Kissengunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Arraich	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Bhagulpore.	Purneah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gandwara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bairampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Durbhanga	Kaliaganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maddapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Soopool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mozufferpore	Protaganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tajpore	...	...	...	...	...	...	...	...	...	...	...	...

Bengal in December 1886—continued.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1886 up to 31st December 1886.	Average rainfall from 1st January up to 31st December 1886.	Station.	District.	Meteorological division.
											Nil	?	Nil	?	Nil	155.56	?	Harishpore...	Noakhully—	EAST BENGAL— continued.
											Nil	?	Nil	?	Nil	108.89	?	Ramgaj.	conold.	
											Nil	0.4	Nil	0.15	Nil	76.17	69.87	Madaripore...	Furriedpore.	
											Nil	0.8	Nil	0.13	Nil	68.33	70.01	Furriedpore.		
											Nil	0.5	Nil	0.15	Nil	65.65	64.31	Goulundo.		Dacca.
											Nil	0.7	Nil	0.36	Nil	110.15	88.22	Munshigunge.		
											1	0.8	0.01	0.03	Nil	83.37	71.59	Dacca.		
											Nil	1.7	Nil	0.51	Nil	97.30	76.25	Naraingunge.		
											Nil	0.7	Nil	0.14	Nil	69.51	63.20	Manickgunge.		Hill Tipperah.
											Nil	?	Nil	?	Nil	77.93	?	Joydebpore.		
											Nil	0.8	Nil	0.44	Nil	82.36	79.29	Agartola		
											Nil	1.1	Nil	0.27	Nil	101.00	93.82	Comilla		Tipperah.
											Nil	1.1	Nil	0.48	Nil	100.58	97.03	Caandpore.		
											1	0.8	0.08	0.39	0.05	88.68	79.92	Brahmabheria		
											Nil	?	Nil	?	Nil	81.69	?	Ramchandra-		
											Nil	?	Nil	?	Nil	74.66	?	pore.		Mymensingh.
											Nil	?	Nil	?	Nil	84.92	?	Nasiragar.		
											Nil	?	Nil	?	Nil	87.36	?	Daudpandi		
											Nil	?	Nil	?	Nil	102.27	?	Kasba		
											Nil	?	Nil	?	Nil	?	?	Laksham.		Mymensingh.
											Nil	0.8	Nil	0.34	Nil	83.53	84.44	Kishoregunge.		
											Nil	0.5	Nil	0.19	Nil	61.88	65.99	Atia (Tangail).		
											Nil	1.1	Nil	0.13	Nil	78.27	93.45	Mymensingh.		
											Nil	0.7	Nil	0.29	Nil	67.04	76.23	Jamulpore.		Mymensingh.
											Nil	1.0	Nil	0.23	Nil	89.05	85.24	Netrokona.		
											Nil	?	Nil	?	Nil	47.51	?	Subornakhal.		
											Nil	?	Nil	?	Nil	?	?	Durgapore.		
											Nil	?	Nil	?	Nil	67.84	?	Deitangunj.		NORTH BENGAL.
											Nil	0.8	Nil	0.11	Nil	66.47	65.82	Pubna		
											1	0.6	0.35	0.15	0.35	69.99	61.35	Serajgunge.		
											Nil	0.9	Nil	0.24	Nil	66.51	66.36	Shernob.		
											Nil	0.9	Nil	0.17	Nil	66.50	62.08	Nowkhilla.		Bogra.
											Nil	0.6	Nil	0.12	Nil	69.36	75.76	Bozra.		
											Nil	0.5	Nil	0.21	Nil	74.85	69.54	Panchbibi.		
											Nil	0.8	Nil	0.09	Nil	63.61	59.19	Bauleah.		
											Nil	0.3	Nil	0.12	Nil	61.07	62.43	Nattore.		Rajshahye.
											Nil	?	Nil	?	Nil	79.86	?	Nazim.		
											Nil	?	Nil	?	Nil	64.73	?	Lipore.		
											Nil	?	Nil	?	Nil	59.55	?	Manda.		
											Nil	0.7	Nil	0.35	Nil	74.73	53.94	Maldah		Maldah.
											Nil	0.6	Nil	0.09	Nil	52.85	62.22	Chauchal.		
											Nil	?	Nil	?	Nil	69.88	?	Gajol.		
											Nil	?	Nil	?	Nil	65.11	?	Siganj.		
											Nil	0.6	Nil	0.29	Nil	80.51	61.69	Mohadebpore.		Vinagepore.
											Nil	0.7	Nil	0.29	Nil	66.55	56.00	Churumona.		
											1	0.7	0.04	0.17	0.04	89.18	61.09	Raigunge.		
											Nil	0.6	Nil	0.10	Nil	72.83	74.14	Dumagepore.		
											Nil	0.7	Nil	0.35	Nil	64.92	69.95	Baloorghat.		Rungpore.
											Nil	0.3	Nil	0.18	Nil	60.22	60.99	Bhawanigunge.		
											1	0.6	0.02	0.19	0.02	74.22	84.14	(Gyabandha).		
											Nil	0.6	Nil	0.27	Nil	98.75	83.77	Rungpore.		
											1	0.6	0.35	0.23	0.35	83.34	91.32	Kurigram.		Rungpore.
											Nil	?	Nil	?	Nil	78.33	?	Bardogra.		
											Nil	?	Nil	?	Nil	?	?	(Adphamari).		
											Nil	?	Nil	?	Nil	?	?	Ulipore.		
											Nil	0.5	Nil	0.09	Nil	131.64	127.95	Julpigore.		Julpigore.
											Nil	?	Nil	?	Nil	147.8	?	Ajore Doar.		
											Nil	?	Nil	?	Nil	108.16	?	Falacatta.		
											1	0.9	0.39	0.23	0.30	91.83	?	Deogonj.		
											2	0.6	0.23	0.12	0.12	115.58	114.14	Dinhatia.		Cooch Behar.
											2	0.6	0.15	0.11	0.12	124.72	130.76	Cooch Behar.		
											2	0.6	0.21	0.18	0.14	124.72	119.26	Mickligunge.		
											1	0.9	0.65	0.14	0.05	122.25	127.22	Matabhanga.		
											3	2.0	0.93	0.63	0.32	237.79	216.44	Buxa		Darjeeling Hill.
											2	1.0	0.24	0.16	0.15	159.24	101.22	Singari.		
											Nil	0.9	Nil	0.23	Nil	125.41	124.18	Darjeeling.		
											1	1.3	0.92	0.42	0.08	89.63	90.96	Kalimpong.		
											1	0.6	0.49	0.16	0.40	103.12	74.55	Kissengunge.		Purneah.
											1	0.6	0.19	0.19	0.19	91.95	68.84	Arraon.		
											1	0.6	0.04	0.19	0.04	82.36	64.69	Purneah.		
											Nil	?	Nil	?	Nil	?	?	Gandwara.		
											Nil	?	Nil	?	Nil	?	?	Baharapore.		orth Bhagu pore.
											Nil	?	Nil	?	Nil	80.01	?	Matar.		
											1	0.4	0.02	0.09	0.02	59.39	52.96	Kaliaanj.		
											1	0.3	0.07	0.13	0.07	59.15	59.22	Madanpore.		
											1	?	0.04	?	0.06	65.00	?	Soomool.		orth Bhagu pore.
											1	?	0.04	?	0.06	65.00	?	Protoganj.		
											1	0.4	0.04	0.09	0.04	78.31	45.64	Tajpore.		
											1	0.5	0.57	0.19	0.57	57.78	47.36	Darbhanga.		
											Nil	?	Nil	?	Nil	58.29	47.43	Madhubani.		Iozufferpore.
											Nil	?	Nil	?	Nil	79.97	?	Bahera.		
											Nil	?	Nil	?	Nil	70.74	?	Rohera.		
											2	0.5	0.28	0.13	0.17	56.82	44.95	Sitamarhi.		
											1	0.3	0.45	0.09	0.45	68.13	45.17	Mozufferpore.		Iozufferpore.
											Nil	0.6	Nil	0.13	Nil	53.96	44.29	Hajpore.		
											1	?	?	?	0.39	52.21	?	Parsa.		
											Nil	?	Nil	?	Nil	55.02	?	Mahua.		
											Nil	?	Nil	?	Nil	60.92	?	Sikhar.		Jaumparan.
											1	?	?	?	0.16	59.83	?	Pupri.		
											2	0.7	0.63	0.16	0.35	55.07	48.11	Motihari.		
											1	0.5	1.50	0.28	1.50	72.35	62.11	Bettiah.		
											2	?	0.28	?	0.26	63.43	?	Bagaha.		Saran.
											2	?	0.50	?	0.54	50.96	?	Burhauria.		
											2	0.5	0.69	0.21	0.50	58.80	47.43	Gopalgunge.		
											1	0.7	0.41	0.16	0.41	60.41	43.14	Sewan.		
											1	0.5	0.28	0.10	0.38	60.33	40.19	Chupra.		

Table of Rainfall recorded at Station

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH BEHAR	Shahabad	Buxar	...	...	...	...	...	...	...	...	...	...	...	...	0'35	...	...	...	...	...	...	...
		Dehree	...	...	...	...	...	...	...	...	...	...	...	...	0'39	...	...	...	...	...	...	...
		Bhubooh	...	...	...	...	...	...	...	...	...	...	...	...	0'48	...	...	...	...	...	...	...
		Sasseram	...	...	...	...	...	...	...	...	...	...	...	...	0'32	...	...	...	...	...	...	...
		Arrah	...	...	...	...	...	...	...	...	...	...	...	...	0'33	...	...	...	...	...	...	...
	Gya	Mohanish	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Aurungabad	...	...	...	...	...	...	...	...	...	...	...	...	0'23	...	...	...	...	...	...	...
		Gya	...	...	...	...	...	...	...	...	...	...	...	0'61	...	...	...	...	...	...	...	...
		Nowadah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Patna	Arwal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	0'17	...	...	...	...	...	...
		Sherrghati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rajauli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pakri Barwan.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr	Patna	...	...	...	...	...	...	...	...	...	...	...	...	0'13	...	...	...	...	...	...	...
		Dinapore	...	...	...	...	...	...	...	...	...	...	...	...	0'14	...	...	...	...	...	...	...
		Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rareh	...	...	...	...	...	...	...	...	...	...	...	...	0'08	...	...	...	...	...	...	...
		Bickrum Hilsa	...	...	...	...	...	...	...	...	...	...	...	...	0'10	...	...	...	...	...	...	...
	South Bhagulpore.	Hilsa	...	...	...	...	...	...	...	...	...	...	...	...	0'05	...	...	...	...	...	...	...
		Begooesrai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamui	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gopri Sheikpura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHUTIA NAG-PUR.	Sonthal Pergunnahs.	Bhagulpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banks	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kolgong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rajmehal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Godda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

in Bengal in December 1886—concluded.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1886 up to 31st Dec. 1886.	Average rainfall from 1st January up to 31st Dec. 1886.	Station.	District.	Meteorological division.
...	1	0.9	0.36	0.23	0.36	48.79	39.39	Buxar	Shahabad	SOUTH BHAR.
...	1	?	0.20	?	0.30	51.30	?	Dehree.		
...	1	0.4	0.48	0.39	0.48	53.44	43.17	Bhuboah.		
...	1	0.5	0.32	0.31	0.32	54.13	42.47	Sasseram.		
...	1	0.6	0.33	0.15	0.33	68.05	45.06	Arrah.		Gya
...	Nil	?	Nil	?	Nil	27.77	?	Mohanish.		
...	1	0.7	0.23	0.40	0.23	67.63	44.26	Aurungabad...		
...	1	0.8	0.01	0.20	0.01	67.39	40.78	Gya.		
...	Nil	0.0	Nil	0.25	Nil	66.24	42.09	Nowadah.		Patna.
...	Nil	0.5	Nil	0.21	Nil	64.27	42.12	Jehansabad.		
...	1	?	0.17	?	0.17	55.29	?	Arwal.		
...	Nil	?	Nil	?	?	54.67	?	Daudnagar.		
...	Nil	?	Nil	?	?	59.59	?	Sherrghati.		Monghyr.
...	Nil	?	Nil	?	?	?	?	Rajauli.		
...	Nil	?	Nil	?	?	69.91	?	Pakri Bara-wan.		
...	1	0.7	0.13	0.17	0.13	65.55	42.05	Patna		
...	1	0.6	0.14	0.20	0.14	70.72	42.60	Dinapore.		South Bhagul-pore.
...	Nil	0.5	Nil	0.15	Nil	54.13	43.99	Behar.		
...	1	0.3	0.08	0.14	0.08	50.68	41.90	Barh.		
...	1	?	0.10	?	0.10	?	?	Bickran.		
...	1	?	0.05	?	0.05	?	?	Hilsa.		Sonthal Per-gunnahs.
...	Nil	0.4	Nil	0.09	Nil	51.02	41.42	Begoeserai		
...	Nil	0.5	Nil	0.11	Nil	66.13	45.25	Monghyr.		
...	Nil	0.4	Nil	0.09	Nil	58.79	44.84	Jamul.		
...	Nil	?	Nil	?	?	52.39	?	Gogri.		Hazaribagh ...
...	Nil	?	Nil	?	?	64.29	?	Sheikpura.		
...	Nil	0.5	Nil	0.10	Nil	64.68	47.54	Bhagulpore ...		
...	Nil	0.6	Nil	0.15	Nil	10.32	46.18	Banka.		
...	Nil	?	Nil	?	?	53.25	?	Koigong.		CHUTIA NAOPUR.
...	Nil	0.3	Nil	0.06	Nil	89.08	55.79	Rajmehal		
...	Nil	0.5	Nil	0.14	Nil	55.67	47.25	Godda.		
...	Nil	0.6	Nil	0.12	Nil	56.27	58.08	Pakour.		
...	Nil	0.9	Nil	0.24	Nil	75.39	68.24	Nya Doomka.		Lohardugga.
...	Nil	0.5	Nil	0.18	Nil	61.97	52.35	Deoghur		
...	Nil	0.5	Nil	0.17	Nil	68.34	51.81	Jamtara.		
...	Nil	?	Nil	?	?	56.83	?	Simra.		
...	Nil	?	Nil	?	?	?	?	Nanihat.		Singbhoom.
...	Nil	0.7	Nil	0.19	Nil	62.39	51.05	Pachamba ...		
...	Nil	1.1	Nil	0.24	Nil	58.61	49.57	(Giridi).		
...	Nil	0.8	Nil	0.39	Nil	54.74	50.38	Hazaribagh.		
...	Nil	0.5	Nil	0.36	Nil	67.62	49.40	Sentagurah.		Manbhoom.
...	Nil	0.6	Nil	0.43	Nil	62.30	65.69	Mahudi Hills.		
...	Nil	?	Nil	?	?	68.05	?	Jhoomrah Hills.		
...	Nil	?	Nil	?	?	69.79	?	Barhi.		
...	Nil	?	Nil	?	?	62.66	?	Chatra.		Lohardugga.
...	Nil	?	Nil	?	?	62.66	?	Karagdeha.		
...	Nil	?	Nil	?	?	54.63	?	Ramghar.		
...	1	?	?	0.08	?	60.48	?	Lohardugga ...		
...	Nil	0.7	Nil	0.23	Nil	56.67	49.69	Ranchi.		Singbhoom.
...	Nil	0.9	Nil	0.32	Nil	49.59	44.82	Palamow.		
...	Nil	?	Nil	?	?	?	?	Silli.		
...	Nil	?	Nil	?	?	51.75	?	Balumat.		
...	Nil	?	Nil	?	?	?	?	Hoscinabad.		Manbhoom.
...	Nil	?	Nil	?	?	?	?	Garwah.		
...	Nil	1.4	Nil	0.39	Nil	45.64	55.33	Chyebassa ...		
...	Nil	?	Nil	?	?	59.85	?	Chakradhar-pore.		
...	1	?	?	0.15	?	59.28	?	Ghatsila.		Manbhoom.
...	Nil	?	Nil	?	?	51.35	?	Baharagura.		
...	Nil	1.1	Nil	0.28	Nil	46.60	50.48	Purulia		
...	Nil	0.6	Nil	0.21	Nil	48.70	48.92	Gobindpore.		
...	Nil	?	Nil	?	?	62.83	?	Raghunath-pore.		Manbhoom.
...	1	?	?	0.03	?	41.68	?	Barrabhoom.		
...	Nil	?	Nil	?	?	?	?	Jhalda.		
...	Nil	?	Nil	?	?	59.88	?	Chas.		

METEOROLOGICAL AND RAINFALL SUMMARY OF THE PROVINCE OF BENGAL FOR THE MONTH OF DECEMBER 1886.

THE meteorology of the month of December in Bengal is usually very simple, the conditions being almost identical with those which obtain during the preceding month of November. North-east monsoon normal conditions are present in their most complete form in Bengal during the months of December and January.

The normal features of the month of December are diminishing temperature, increasing pressure, cloudless skies, great dryness of the air in the day-time, a very considerable range in the daily temperature, and the prevalence of light northerly winds with a westerly element which increases in amount westwards from Central Bengal to Behar.

The normal weather of the month is subject to two classes of interruptions or disturbances. The first class are originated by the occurrence of cyclonic storms in the Bay, most usually at this time of the year in the south of the Bay. They affect the weather in Bengal indirectly in the manner explained in the November monthly review. Temperature rises, the air becomes more humid, especially in the coast districts, the dry land winds are replaced by variable local winds or by light sea winds, skies become clouded, and showers, if the storm is extensive, fall in South Bengal and Orissa. The effects of these storms are usually smaller in December than in November, as they are generally formed further south, and are also, as a rule, less extensive and intense than the November cyclones. The second class of disturbance are due to the entrance into or passage through the Province of cold weather barometric depressions. These usually (so far as is at present known) take their origin in Upper or Central India, and frequently, if not invariably, drift slowly eastwards or south-eastwards, gradually filling up as they advance. Many of them enter Behar, and some of them pass through Bengal, and fill up finally to the east of Bengal. The largest proportion of the rainfall of December, January, and February in Northern and Central India, and probably much of the snowfall of the Himalayas, accompanies the formation and march of these depressions. During their existence in Bengal, they usually give low barometer, clouded skies, light to moderate rain, diminished day and increased night temperature, and increased mean daily temperature. They are followed by fine dry clear weather, and greatly diminished night temperature, and a considerable reduction of the mean temperature.

The normal average rainfall of the month is small for all districts. The average for Orissa and East Bengal is between four and five-tenths of an inch. It varies between one and three-tenths in the remaining divisions.

Meteorological summary of the month.—The weather conditions in the province were approximately normal during the month. A small storm or cyclone formed in the Bay on the 7th after the prevalence of squally weather over the south of the Bay for some days. It advanced a little to the north of west, and struck the Madras coast on the afternoon or evening of the 9th, and shortly afterwards disappeared. The usual changes occurred in Bengal, where skies began to cloud over on the 7th or 8th, the change extending slowly from the coast districts to the interior. Skies were heavily clouded or overcast throughout the province on the 9th and 10th. The southern districts of Orissa received moderate rain on these two days, and also on the 11th and 12th. Light to moderate general rain fell on the 12th in the western districts of South-West Bengal, due to the same disturbance, and in nearly every district of Behar. Whether this was due to the same general disturbance, or to the entrance of a cold-weather depression into Behar from Upper India, cannot be determined from the Bengal observations only. So far as can be judged, it was a small local disturbance subsidiary, due partly to the general disturbance, and partly to local meteorological conditions in Behar. From this period to the end of the month fine clear weather prevailed. But apparently there was much slight disturbance in Upper India, as the winds in Bengal were unusually light and unsteady in character, and the temperature (more especially the night temperature) considerably above the average.

Pressure.—The fluctuations of the barometer during the greater part of the month have been such as always occur during fine clear weather. The disturbance in the Bay from the 7th to the 10th influenced pressure very slightly, and that chiefly in Orissa. Pressure fell generally from the 9th to the 13th, but after the effect of the general disturbance due to the cyclone in the Bay passed away, pressure oscillated slowly and within narrow limits during the remainder of the month. The mean pressure of the month varies very slightly from the normal mean pressure. It was $\cdot 01''$ less than the normal for False Point and Saugor Island (which were most influenced by the cyclone) and slightly more than $\cdot 01''$ in excess for the North Behar stations and Dacca. It was practically normal at all other stations (except perhaps Gya).

Temperature.—The chief feature of the month has been the considerable excess of temperature, an indirect effect of the cyclone in the Bay, and of the slightly disturbed or abnormal weather in Upper India. The increase was, as is usual in December, shown more in the night than in the day temperature. The following table gives data for eight representative stations, and shews more fully and exactly than a verbal description would

do, the variation of the temperature in different parts of the province week by week from the mean temperature proper to the period :—

Monthly variation table from weekly comparison tables.

	WEEK ENDING 3RD DECEMBER.			WEEK ENDING 10TH DECEMBER.			WEEK ENDING 17TH DECEMBER.			WEEK ENDING 24TH DECEMBER.			WEEK ENDING 31ST DECEMBER.		
	Variation of actual mean maximum temperature of week from the normal mean.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.
Cuttack	+2.6	+1.0	+1.8	+1.9	-1.5	+0.2	+3.2	+5.5	+6.3	+4.2	-1.4	+1.4	+3.2	+0.8	+2.9
Calcutta	+1.7	+0.7	+1.1	+1.4	+1.3	+1.3	+3.9	+6.1	+5.0	+1.1	-0.4	+0.3	+3.2	+3.6	+3.2
Burdwan	+1.6	+1.0	+1.3	+1.0	+0.4	+0.7	+3.2	+5.3	+4.2	+1.5	-0.7	+0.9	+3.5	+1.2	+2.4
Dacca	+1.0	+0.4	+0.7	+1.6	+0.8	+1.2	+1.5	+4.9	+3.2	+0.8	+1.2	+1.0	+2.0	+4.1	+3.0
Purneah	+1.2	+2.5	+0.6	-0.4	+2.9	+1.2	-2.3	+7.2	+1.3	-1.0	+2.6	+0.8	-1.8	+1.3	+1.2
Patna	+2.0	+2.6	+2.3	+1.1	+4.2	+2.7	+2.1	+7.5	+4.8	+0.4	+2.4	+1.4	+2.7	+5.1	+3.9
Hazariabagh	-2.8	+0.3	-1.2	-1.7	+0.7	-0.5	+0.7	+4.8	+2.8	+0.7	+0.8	+0.8	+3.3	+4.8	+4.0
Darjeeling	+1.7	+3.0	+2.4	+1.9	+0.4	+0.9	+0.3	+1.4	+0.8	+0.7	+1.1	+1.2	-1.7	-0.1	-0.9

The mean temperature of North Behar during the month was $2\frac{1}{2}^{\circ}$ above the normal; of North Behar, Orissa, and South-West Bengal 2° ; of Chutia Nagpur $1\frac{1}{2}^{\circ}$; and of East Bengal 1° .

Rainfall.—General rain fell during the period from the 9th to the 13th, due primarily to the cyclonic disturbance in the Bay. The Pooree and Cuttack districts received rain on every day of that period; Behar (excepting the Monghyr district) on the 12th, and the Chumparun district also on the 11th. Light showers fell in the 24-Pergunnahs and Midnapore district, and in the most northern districts of North Bengal on the 12th. A few very light local showers of no importance fell in other districts. The rainfall was above the average in Orissa, which received one inch (double its normal amount), and in North Behar, which obtained an average of four-tenths—three times its normal amount. These increased averages were, however, chiefly due to unusually heavy rainfall (for the month) in the Pooree district, which received an average of 2.8 inches, and the Chumparun and Sarun districts, which received 1.05 inches and .53 inch respectively. The rainfall in the whole of Bengal, in Chutia Nagpur, and South Behar was less than a tenth of an inch, and practically *nil*.

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological Divisions of the Province for the month of December 1886 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.						
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	83.4	48.9	79.5	60.3	69.9	+1.8	1.02	0.57	+0.45	1.7	1.2	+0.5	60.98	53.28
South-West Benxal	87.3	40.5	87.7	57.5	68.1	+1.9	0.04	0.28	-0.24	0.2	0.7	-0.5	55.87	51.54
East Bengal	86.4	50.1	77.4	57.8	67.6	+1.0	0.02	0.43	-0.41	0.2	1.0	-0.8	79.98	74.39
North Bengal	82.1	43.9*	76.9*	51.9*	65.9*	—	0.06	0.20	-0.14	0.5	0.7	-0.2	75.34	68.94
North Behar	79.6	41.7	75.0	54.2	64.6	+1.9	0.36	0.14	+0.22	1.1	0.5	+0.6	65.92	46.67
South Behar	82.5	42.4	75.4	54.1	64.8	+2.5	0.09	0.20	-0.11	0.4	0.6	-0.2	61.87	42.02
Chutia Nagpur	76.9†	40.9†	72.6†	51.6†	62.1†	+1.3†	Nil	0.35	-0.35	0.0	0.8	-0.8	61.98	48.65

* Rangoon and Malabar not included.

† Chyebassa ditto

ASTRONOMICAL OFFICE, BENGAL;

JOHN ELIOT,

The 14th December 1886.

Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of B

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.															
			AIR PRESSURE.			WIND.		TEMPERATURE.										
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.			
DISTRICT.			Representative station.															
ORISSA.	Pooree	Gopalpore	30'081	30'081	—	NNW	89	81'2	5th Jan.	54'0	1st Jan.	78'8	63'6	70'7	—			
		False Point	30'059	30'081	—'043	N	134	83'9	6th "	56'0	4th "	70'7	58'2	69'0	+0'4			
	Cuttack	Cuttack	29'970	30'064	—'061	SE	21	86'4	2, 3, 4 & 6.	58'8	7th "	86'1	60'8	75'5	+2'6			
	Balasore	Balasore	30'057	30'117	—	Northerly	20'1	76'6	6th & 7th Jan.	54'5	2nd & 3rd Jan.	72'6	56'3	64'5	—			
	South-West Midnapore	Saugor Island	30'050	30'077	—'047	NE	137	79'2	7th "	54'8	2nd "	76'5	60'5	68'5	+1'3			
SOUTH-WEST BENGAL.	South 24-Pergunnahs	Midnapore	29'930	30'086	—	N	45'7	86'3	7th "	50'2	3rd "	81'8	55'6	68'7	—			
	24-Pergunnahs	Calcutta	30'053	30'075	—'068	NE	69	81'1	7th "	51'8	3rd "	77'7	56'0	66'9	+1'9			
	Howrah	Burdwan	29'980	30'084	—'064	NE	33'2	83'8	7th "	50'3	2nd & 3rd Jan.	78'9	54'1	66'5	+1'3			
	Bankoora	Bankoora	29'745	—	—	Calm	5'2*	83'1	6th & 7th Jan.	49'8	3rd "	75'3	56'1	67'2	—			
	Beerbhoom	Raneegunge	29'742	—	—	WNW	54'9	83'5	7th "	50'0	3rd "	79'4	54'8	67'1	—			
	West Burdwan	Berhampore	30'007	30'077	—'039	W	46'2	81'6	7th "	49'6	1st "	70'0	54'0	65'0	+0'1			
	Moorshedabad	Krishnaghur	30'025	—	—	W & NE	42'9*	82'8	7th "	45'4	3rd "	77'5	50'8	64'2	—			
	Nuddea	Jessore	30'040	30'075	—'035	Calm	33'3	82'7	7th "	47'9	2nd "	77'7	52'2	65'0	+0'2			
	Jessore	Khoolna	29'972	30'065	—'030	NNE	48	80'1	7th "	51'2	2nd "	77'8	54'3	66'1	—0'1			
	Chittagong	Chittagong	29'972	30'065	—'030	NNE	48	80'1	7th "	51'2	2nd "	77'8	54'3	66'1	—0'1			
EAST BENGAL.	Chittagong Hill Tracts	Demagiri						Observations not received.										
	Backergunge	Barrisal	30'049	30'062	—	Calm	43'8	78'3	7th "	49'1	2nd "	75'4	55'2	65'3	—			
	Noakholly	Noakholly	30'022	30'067	—	WNW & Calm	22'7	78'6	7th "	47'1	3rd "	76'4	50'1	63'3	—			
	Furreedpore	Furreedpore	30'015	—	—	N	41'0	75'5	6th "	48'5	4th "	72'8	52'7	62'7	—			
	Dacca	Dacca	30'052	30'075	—'017	N	48	80'6	7th "	49'9	1st "	77'5	54'2	65'9	0			
	Tipperah	Commillah	30'024	30'061	—	Northerly	20'9	80'4	1st "	48'1	2nd & 3rd Jan.	78'1	50'8	64'5	—			
	Mymensingh	Mymensingh	30'021	—	—	Easterly & Calm.	34	71'4	5th & 6th Jan.	43'1	1st & 4th Jan.	69'3	40'5	59'4	—			
	Bogra	Bogra	29'968	30'033	—	Calm	26'7	78'7	7th "	45'9	1st "	74'8	50'5	62'7	—			
	Pubna	Serajunge	30'019	30'067	—	NNW	36'5	78'9	7th "	45'4	1st "	75'2	50'7	63'0	—			
	Rajshahye	Rampore Beau-leah.	29'967	30'042	—	N	69'4	78'2	7th "	46'7	3rd "	74'8	49'6	62'2	—			
NORTH BENGAL.	Maldah	Maldah	30'047	—	—	NW	15'0	76'4	7th "	43'1	1st "	74'0	49'6	61'8	—			
	Dinagopore	Dinagopore	29'937	30'065	—	NNE	31	75'6	6th & 7th Jan.	42'9	1st "	74'2	48'3	61'3	—			
	Rungpore	Rungpore	29'961	30'092	—	NE	24	75'6	7th "	44'0	1st "	74'3	47'5	60'9	—			
	Julpigoree	Julpigoree	29'771	30'072	—	SE	35'5	73'9	5th & 6th Jan.	48'9	3rd "	73'6	52'3	62'7	—			
	Cooch Behar																	
	Darjeeling Hill Districts	Darjeeling	22'974	—	—'110	N	50'1	44'7	3rd "	33'3	5th "	42'8	34'0	38'4	—1'6			
	Purneah	Purneah	29'964	30'094	—'052	Calm	8'5	73'3	6th "	41'9	1st "	71'5	47'4	59'5	—1'3			
	North Bhagulpore																	
	Mozufferpore	Mozufferpore						Observations suspended.										
	Durbhunga	Durbhunga	29'911	30'088	—'050	WSW	43	73'9	6th & 7th Jan.	46'5	1st "	71'4	52'9	62'2	+0'6			
NORTH BHAR.	Chumparun	Motihari	29'835	30'075	—	SE	92'2	74'8	7th "	39'7	1st "	71'4	47'7	59'6	—			
	Sarun	Chupra	29'872	—	—	WNW	48'6	76'5	7th "	46'6	1st & 2nd Jan.	71'6	50'9	61'3	—			
	Shahabad	Dehree	29'710	30'083	—	SSW	78'0	80'3	7th "	45'0	2nd "	75'0	53'6	64'3	—			
		Buxar	29'829	30'083	—	W	76'3	78'9	5th "	42'4	1st "	73'3	52'5	62'9	—			
		Arrah	29'867	30'074	—	WSW	6'7	77'3	7th "	42'9	1st "	73'1	50'9	61'0	—			
	Gya	Gya	29'684	30'080	—'063	Variable	36'9	80'7	7th "	44'9	1st & 2nd Jan.	75'3	52'6	64'1	+1'0			
	Patna	Bankipore	29'899	30'093	—'051	Westerly	15'1	78'3	7th "	44'4	1st "	74'0	51'9	62'0	+2'4			
	South Bhagulpore	Bhagulpore	29'901	30'071	—	W	37	78'4	7th "	44'0	1st "	72'8	50'4	61'6	—			
	Sonthal Pergunnahs	Doomka	29'551	—	—	Calm	3'3	81'6	7th "	44'5	1st "	77'1	50'4	63'8	—			
	Hazaribagh	Hazaribagh	28'012	30'074	—'050	SW, NW	140'4	77'9	7th "	46'8	2nd "	74'7	52'8	63'8	+2'8			
CHUTIA NAGPUR.	Lohardugga																	
	Manbhoom	Ranchee	27'871	30'045	—	NW	115'5	79'1	7th "	45'7	2nd "	75'2	52'0	63'6	—			
	Singbhoom	Chyebassa	29'270	—	—	Easterly	21'0	83'9	7th "	52'2	2nd "	80'8	54'9	67'9	—			

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical averages or means of the reading during the same period for the humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question and stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 7th January 1887.

DISTRICT OBSERVATIONS.														Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.									Average number of rainy days.	Normal number of rainy days.			
			Of week.		Since 1st of month.			Since 15th May 1886.								
			Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
61	0.3	Nil.	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	ORISSA.
69	0.4	Nil.	Nil.	0.01	Nil.	0.01	-0.01	61.18	55.65	+5.53	0.0	0.1	False Point	Pooroo	...	
65	0	Nil.	Nil.	0.03	Nil.	0.03	-0.03	63.63	51.44	+12.19	0.0	0.1	Cuttack	Cuttack	...	
60	0	Nil.	Nil.	0.00	Nil.	0.00	-0.00	57.44	53.53	+3.91	0.0	0.2	Balasore	Balasore	...	
71	0.1	Nil.	Nil.	0.06	Nil.	0.06	-0.06	51.45	62.91	-11.46	0.0	0.2	Saugor Island	South-West Midnapore	...	ORISSA.
47	0.4	Nil.	0.19	0.08	0.19	0.08	+0.11	46.01	51.61	-5.60	0.7	0.2	Midnapore	Midnapore	...	
81	0.1	Nil.	0.02	0.11	0.02	0.11	-0.09	56.21	51.67	+4.54	0.1	0.2	Calcutta	24-Pergunnahs...	...	
59	1.7	Nil.	0.05	0.06	0.05	0.06	-0.01	52.11	46.12	+5.99	0.7	0.1	Burdwan	Howrah	...	
57	1.0	Nil.	0.05	0.01	0.05	0.01	+0.04	52.41	51.96	+0.45	0.8	0.1	Bankoora	Bankoora	...	SOUTH-WEST BENGAL.
45	1.0	Nil.	0.47	0.08	0.47	0.08	+0.39	65.45	51.46	+14.09	1.3	0.2	Raneegunge	Beerbhoom	...	
57	1.1	0.22	0.46	0.06	0.46	0.06	+0.40	59.15	48.69	+10.46	1.2	0.2	Berhampore	West Burdwan	...	
59	1.1	Nil.	0.03	0.08	0.03	0.08	-0.05	54.50	48.91	+5.59	0.5	0.2	Krishnagar	Moorshedabad	...	
64	0.6	Nil.	Nil.	0.11	Nil.	0.11	-0.11	58.35	53.26	+5.09	0.0	0.2	Jessore	Naddea	...	SOUTH-WEST BENGAL.
73	0	Nil.	Nil.	0.04	Nil.	0.04	-0.04	128.80	113.37	+15.43	0.0	0.2	Chittagong	Jessore	...	
73	0	Nil.	Nil.	0.16	Nil.	0.16	-0.16	89.96	82.22	+7.74	0.0	0.5	Demagiri	Khoolna	...	
80	2.0	Nil.	0.30	0.23	0.30	0.23	+0.07	75.22	77.77	-2.55	0.3	0.3	Barrisal	Chittagong Hill Tracts	...	
52	0	Nil.	Nil.	0.27	Nil.	0.27	-0.27	114.55	108.65	+5.90	0.0	0.5	Noakholly	Buckergunge	...	EAST BENGAL.
61	0.4	Nil.	0.09	0.09	0.09	0.09	0	59.72	55.75	+3.97	0.7	0.2	Furteedpore	Noakholly	...	
67	1.4	0.02	0.04	0.09	0.04	0.09	-0.05	75.09	68.26	+6.83	0.3	0.3	Dacca	Furteedpore	...	
70	1.1	Nil.	0.11	0.19	0.11	0.19	-0.08	76.04	70.63	+5.41	0.3	0.4	Commillah	Dacca	...	
75	1.9	0.22	0.11	0.08	0.11	0.08	+0.03	66.70	67.21	-0.51	0.6	0.2	Mymensingh	Tipperah	...	EAST BENGAL.
62	1.4	0.50	0.40	0.04	0.40	0.04	+0.36	65.56	56.91	+8.65	1.0	0.1	Bogra	Mymensingh	...	
73	1.4	0.45	0.36	0.05	0.36	0.05	+0.31	58.68	53.27	+5.41	1.0	0.2	Serajgunge	Bogra	...	
60	0.3	0.30	0.40	0.15	0.40	0.15	+0.25	58.66	53.63	+5.03	1.0	0.3	Rampore Beaulah	Pubna	...	
63	0.9	0.31	0.19	0.06	0.19	0.06	+0.13	61.46	53.20	+8.26	1.0	0.2	Maidah	Rajshahye	...	FOURTH BENGAL.
60	1.0	Nil.	0.17	0.01	0.17	0.01	+0.16	72.48	53.49	+18.99	0.8	0.1	Dinagore	Maidah	...	
70	0.1	Nil.	0.04	0.02	0.04	0.02	+0.02	71.95	73.05	-1.10	0.3	0.1	Rungpore	Dinagore	...	
75	3.0	Nil.	Nil.	0.01	Nil.	0.01	-0.01	108.15	110.31	-2.16	0.0	0.1	Julpigoree	Rungpore	...	
93	8.6	Nil.	Nil.	0.05	Nil.	0.05	-0.05	138.59	116.30	+22.29	0.0	0.3	Darjeeling	Julpigoree	...	FOURTH BENGAL.
74	1.9	Nil.	Nil.	0.05	Nil.	0.05	-0.05	77.55	56.39	+21.16	0.0	0.1	Purneah	Cooch Behar	...	
76	2.4	Nil.	0.04	0.11	0.04	0.11	0.07	59.45	41.63	+17.82	0.3	0.4	Mozufferpore	Darjeeling Hill Districts	...	
72	5.9	Nil.	Nil.	0.12	Nil.	0.12	-0.12	61.10	42.71	+18.39	0.0	0.3	Darbhunga	Purneah	...	
66	1.9	Nil.	Nil.	0.05	Nil.	0.05	-0.05	60.90	44.89	+16.01	0.0	0.2	Motihari	North Bhagulpore	...	NORTH BEHAR.
70	2.6	0.26	Nil.	0.04	Nil.	0.04	-0.04	61.18	41.02	+20.16	0.0	0.3	Chupra	Darbhunga	...	
60	3.0	Drops	0.09	0.06	0.09	0.06	+0.03	54.88	38.33	+16.55	0.5	0.3	Buxar	Chumparun	...	
71	3.6	Nil.	0.09	0.06	0.09	0.06	+0.03	54.88	38.33	+16.55	0.5	0.3	Arrah	Sarun	...	
54	4.3	0.15	0.14	0.04	0.14	0.04	+0.10	64.37	39.39	+24.98	1.0	0.3	Gya	Shahabad	...	SOUTH BEHAR.
67	5.6	Nil.	0.22	0.06	0.22	0.06	+0.16	59.36	39.93	+19.43	0.8	0.3	Bankipore	Gya	...	
68	1.0	0.23	0.24	0.03	0.24	0.03	+0.21	58.66	41.65	+17.01	1.0	0.2	Bhagulpore	Patna	...	
64	0	0.50	0.45	0.04	0.45	0.04	+0.41	70.18	45.68	+24.50	1.0	0.1	Doomka	South Bhagulpore	...	
56	1.6	0.74	0.72	0.04	0.72	0.04	+0.68	57.44	49.63	+7.81	1.0	0.3	Hazaribagh	Monghyr	...	SOUTH BEHAR.
50	2.0	0.09	0.44	0.02	0.44	0.02	+0.42	48.55	46.34	+2.21	1.0	0.1	Ranchee	Sonthal Pergunnahs...	...	
60	0.3	Nil.	Nil.	0.04	Nil.	0.04	-0.04	43.50	51.39	-7.89	0.0	0.2	Chyebassa	Hazaribagh	...	
60	0.3	Nil.	Nil.	0.04	Nil.	0.04	-0.04	43.50	51.39	-7.89	0.0	0.2	Chyebassa	Lohardugga	...	
60	0.3	Nil.	Nil.	0.04	Nil.	0.04	-0.04	43.50	51.39	-7.89	0.0	0.2	Chyebassa	Manbhoom	...	CHUTIA NAG-PUR.
60	0.3	Nil.	Nil.	0.04	Nil.	0.04	-0.04	43.50	51.39	-7.89	0.0	0.2	Chyebassa	Singbhoom	...	

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.
 could amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District observations of rainfall" the normal means
 The means of the district are the numerical averages of the rainfall return received in the district, i.e., from the total rainfall at the sub-division

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 7th of January 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain- fall since 1st of month.	Average total rain- fall from 1st of month.	Total rain- fall since 15th May 1886.	Average rainfall from 15th May 1886 to date.
			Saturday, 1st January.	Sunday, 2nd January.	Monday, 3rd January.	Tuesday, 4th January.	Wednesday, 5th January.	Thursday, 6th January.	Friday, 7th January.	Number of rainy days.	Rainfall week.				
ORISSA	Pooree	Pooree	Nil	Nil	Nil	Nil	54.61	51.87
		Khurda	Nil	Nil	Nil	0.01	65.90	51.75
		Bampur	Nil	Nil	Nil	0.03	66.57	43.54
		False Point	Nil	Nil	Nil	0.01	57.41	61.63
		Gop Pipli	Nil	Nil	Nil	?	66.03	?
	Cuttack	Jagatsingapore	Nil	Nil	Nil	Nil	68.34	51.32
		Banki	Nil	Nil	Nil	Nil	69.12	49.69
		Cuttack	Nil	Nil	Nil	Nil	72.70	55.31
		Kendrapara	Nil	Nil	Nil	Nil	54.35	51.52
		Jajpore	Nil	Nil	Nil	0.14	62.60	52.40
	Balasore	Dharmasalla	Nil	Nil	Nil	?	62.88	?
		Salipore	Nil	Nil	Nil	?	?	?
		Chandbali	Nil	Nil	Nil	0.07	54.21	53.82
		Bhuddruck	Nil	Nil	Nil	0.03	56.04	61.37
		Sorah	Nil	Nil	Nil	Nil	57.47	51.85
SOUTH-WEST BENGAL.	Midnapore	Balasore	Nil	Nil	Nil	0.08	62.73	57.75
		Jellasore	Nil	Nil	Nil	0.14	61.14	61.72
		Baripodda	Nil	Nil	Nil	0.14	53.10	53.22
		Contai	Nil	Nil	Nil	0.05	41.53	63.10
		Saugor Island	Nil	Nil	Nil	0.03	61.88	67.01
	24-Pergunnah	Tumlook	Nil	Nil	Nil	0.07	45.70	51.11
		Midnapore	0.31	1	0.31	0.3	0.02	45.30	49.01
		Ghatal	0.26	1	0.26	0.26	0.16	49.04	51.92
		Devog	Nil	Nil	Nil	?	38.79	?
		Heria	Nil	Nil	Nil	?	47.47	?
	Howrah	Bhagwanpore	Nil	Nil	Nil	?	43.36	?
		Garbeta	Nil	Nil	Nil	?	49.01	?
		Diamond Har- bour	Nil	Nil	Nil	0.11	50.93	58.87
		Canning Town	Nil	Nil	Nil	?	58.08	?
		Alipore Jail	Nil	Nil	Nil	0.25	57.37	55.20
Hooghly	Barrackpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.05	54.03	44.96
	Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.14	52.10	61.25
	Barasat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.12	56.77	49.85
	Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.12	66.13	53.76
	Howrah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.16	50.75	50.94
Burdwan	Mohesra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.19	53.61	62.32
	(Ooloberiah.)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Serampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.07	56.63	50.27
	Hooghly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	53.15	49.80
	Jehanabad	.....	.....	.....	.....	.....	.....	0.20	1	0.20	0.20	0.03	61.40	54.33
Bankoora	Culna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.01	52.94	43.86
	Burdwan	.....	.....	.....	.....	.....	.....	0.08	1	0.08	0.08	0.02	50.79	47.35
	Cutwa	.....	.....	.....	.....	.....	.....	0.08	1	0.08	0.08	0.14	47.59	47.12
	Raneegunge	.....	.....	.....	.....	.....	.....	0.35	1	0.35	0.35	0.07	65.91	47.04
	Mankur	.....	.....	.....	.....	.....	.....	0.22	1	0.22	0.22	?	61.22	?
Beerbhoom	Bankoora	.....	.....	.....	.....	.....	.....	0.05	1	0.05	0.05	0.02	51.30	61.47
	Bishenpore	.....	.....	.....	.....	.....	.....	0.03	1	0.03	0.03	Nil	50.26	51.73
	Mahara	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	Nil	57.25	44.86
	Khatra	.....	.....	.....	.....	.....	.....	0.10	1	0.10	0.10	Nil	50.64	57.33
	Indas	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	48.36	?
Nuddea	Kotalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43.36	?
	Anda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	38.40	?
	Gangajalghati	.....	.....	.....	.....	.....	.....	0.20	1	0.20	0.20	?	55.99	?
	Raipore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	55.76	?	
	sonamukhi	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	?	36.99	?
Khoorna	Bh. Soory	.....	.....	.....	.....	.....	.....	0.55	1	0.55	0.55	0.96	67.09	52.45
	Hetampur	.....	.....	.....	.....	.....	.....	0.10	2	0.46	0.46	0.08	65.38	51.24
	Rampore Haut	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	0.10	63.62	50.36
	Isipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	63.82	?
	Ranaghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.01	49.07	46.02
Jessore	Kishinichur	.....	.....	.....	.....	.....	.....	0.07	1	0.07	0.07	0.07	49.47	45.07
	Choodanga	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.02	0.09	51.00	51.07
	Meherpore	.....	.....	.....	.....	.....	.....	0.08	1	0.08	0.08	0.13	52.08	47.01
	Koosinta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.09	66.45	53.49
	Satkira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.13	55.95	55.38
Moorshedabad	Bazirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.19	7.21	61.00
	Khoorna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.20	4.85	55.63
	Narail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.15	50.90	43.74
	Jessore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.11	61.05	62.91
	Jhenidah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.05	61.1	53.43
Chittagong	Magoorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.07	61.24	49.39
	Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.02	51.48	61.34
	Kandi	.....	.....	.....	.....	.....	.....	0.40	0.33	2	0.74	0.73	51.53	49.67
	Berhampore	.....	.....	.....	.....	.....	.....	0.49	1	0.49	0.49	0.19	56.75	51.11
	Lailagh	.....	.....	.....	.....	.....	.....	0.41	1	0.41	0.41	Nil	50.11	46.27
EAST BENGAL	Chittagong	Azingange	0.46	1	0.46	0.46	0.10	61.02	50.10
		Jungipore	0.28	1	0.28	0.28	0.06	67.55	49.30
		Ladgola	0.34	1	0.34	0.34	0.12	57.94	49.19
		Akhrganj	0.02	1	0.02	0.02	?	?	?
		Cox's Bazar	Nil	Nil	Nil	0.02	132.75	134.20
Chittagong Hill Tracts.	Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.05	121.04	92.40
	Katubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	115.83	?
	atkhanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	110.31	?
	Ranganati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.16	96.10	83.75
	Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.15	81.82	80.07
Backergunge	Patunkhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.20	78.27	88.18
	Perozepore	.....	.....	.....	.....	.....	.....	1.20	1	1.20	1.20	0.20	76.48	63.58
	Burrisal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.21	60.90	68.31
Bhola	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.22	85.19	81.00

Statement of Rainfall in Bengal for the week ending Friday (6, p.m.), the 7th of January 1887 -

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May, 1886.	Average rainfall from 15th May to date.
			1st Saturday, January.	2nd Sunday, January.	3rd Monday, January.	4th Tuesday, January.	5th Wednesday, January.	6th Thursday, January.	7th Friday, January.	Number of rainy days.	of rainfall week.				
WEST BENGAL.	Sonabholly	Gournaddi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	62.74	?
		Bauphal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	82.97	?
		Sonabholly	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.02	0.18	108.91	108.81
		Penny	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.37	0.37	120.16	107.70
	Furzedpore	Harishpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	130.45	?
		Ramganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	9.62	?
	Munshiganj	Madaripore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	0.13	66.99	55.61
		Furzedpore	Nil	Nil	Nil	Nil	Nil	Nil	0.02	1	0.02	0.02	0.03	53.38	58.61
	Dacca	Gaulando	Nil	Nil	Nil	Nil	Nil	Nil	0.25	1	0.25	0.25	0.10	53.78	53.67
		Munshiganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.11	0.11	94.80	70.15
MID BENGAL.	Hill Tipperah	Dacca	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	0.10	67.47	58.38
		Naraincunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	8.50	54.21
		Manickcunge	Nil	Nil	Nil	Nil	Nil	Nil	0.15	1	0.15	0.15	0.11	58.12	50.42
		Joydebypore	Nil	Nil	Nil	Nil	Nil	Nil	0.65	1	0.65	0.65	?	69.67	?
	Tipperah	Agartola	Nil	Nil	Nil	Nil	Nil	Nil	0.42	1	0.42	0.42	0.21	61.45	61.93
		Comilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	0.17	84.34	76.80
		Chandpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.18	0.18	87.05	81.03
		Brahmanberia	Nil	Nil	Nil	Nil	Nil	Nil	0.08	1	0.08	0.08	0.18	68.28	62.44
	Nymensinich	Ramchandrapore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	61.70	?
		Nasirnagar.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	51.49	?
		Daudkandi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	72.76	?
		Kasba	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	67.81	?
SOUTH BENGAL.	Pabna	Laksham	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	80.06	?
		Kishoregunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.14	0.14	73.31	69.78
		Atia (Tangail)	Nil	Nil	Nil	Nil	Nil	Nil	0.21	1	0.21	0.25	0.09	53.18	56.14
		Nymensinich	Nil	Nil	Nil	Nil	Nil	Nil	0.25	1	0.25	0.25	0.07	68.63	71.21
	Sherpore	Jamulpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	0.10	67.22	65.76
		Netrokona	Nil	Nil	Nil	Nil	Nil	Nil	0.04	1	0.04	0.04	?	78.13	70.13
		Subornakhally	Nil	Nil	Nil	Nil	Nil	Nil	0.41	1	0.41	0.41	?	44.13	?
		Durgapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Dewanganj	Dewanganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	62.11	?
		Pabna	Nil	Nil	Nil	Nil	Nil	Nil	0.7	1	0.7	0.27	0.07	67.86	51.23
NORTH BENGAL.	Bogra	Sherpore	Nil	Nil	Nil	Nil	Nil	Nil	0.45	1	0.45	0.45	0.09	56.48	62.35
		Nowshilla	Nil	Nil	Nil	Nil	Nil	Nil	0.40	1	0.40	0.40	Nil	64.64	57.77
		Bogra	Nil	Nil	Nil	Nil	Nil	Nil	0.39	1	0.39	0.39	0.03	61.32	51.36
		Manchibib	Nil	Nil	Nil	Nil	Nil	Nil	0.45	1	0.45	0.45	0.12	65.44	59.52
	Rajshahye	Manchibib	Nil	Nil	Nil	Nil	Nil	Nil	0.31	1	0.31	0.31	0.01	70.81	51.76
		Benulash	Nil	Nil	Nil	Nil	Nil	Nil	0.28	1	0.28	0.28	0.13	61.96	52.18
		Natore	Nil	Nil	Nil	Nil	Nil	Nil	0.5	1	0.5	0.50	0.16	56.24	54.97
		Nowgong	Nil	Nil	Nil	Nil	Nil	Nil	0.44	1	0.44	0.44	?	68.04	?
	Maidah	Lalpur	Nil	Nil	Nil	Nil	Nil	Nil	0.26	1	0.26	0.26	?	60.06	?
		Manda	Nil	Nil	Nil	Nil	Nil	Nil	0.16	1	0.16	0.16	?	56.27	?
CENTRAL BENGAL.	Dinapore	Maidah	Nil	Nil	Nil	Nil	Nil	Nil	0.31	1	0.31	0.31	0.06	71.21	50.13
		Chanchal	Nil	Nil	Nil	Nil	Nil	Nil	0.07	1	0.07	0.07	0.11	51.70	58.34
		Gujol	Nil	Nil	Nil	Nil	Nil	Nil	0.17	1	0.17	0.17	?	66.72	?
		Sioganj	Nil	Nil	Nil	Nil	Nil	Nil	0.42	1	0.42	0.42	?	63.07	?
	Bangaon	Mohadebpor	Nil	Nil	Nil	Nil	Nil	Nil	0.48	1	0.48	0.48	0.02	73.95	53.11
		Churamon	Nil	Nil	Nil	Nil	Nil	Nil	0.5	1	0.5	0.05	Nil	6.05	50.37
		Raigunge	Nil	Nil	Nil	Nil	Nil	Nil	0.03	1	0.03	0.03	Nil	88.40	53.03
		Dinapore	Nil	Nil	Nil	Nil	Nil	Nil	0.03	1	0.03	0.03	0.03	71.33	61.61
	Raingunge	Baloorghat	Nil	Nil	Nil	Nil	Nil	Nil	0.28	1	0.28	0.28	Nil	60.97	47.37
		Raingunge	Nil	Nil	Nil	Nil	Nil	Nil	0.15	1	0.15	0.15	0.07	54.38	61.43
EAST BENGAL.	Raingunge	Bhawangunge	Nil	Nil	Nil	Nil	Nil	Nil	0.15	1	0.15	0.15	0.07	54.38	61.43
		(Gyabanda)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Raingunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Kurigram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Raingunge	Bagdogra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Nilphamari	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
SOUTH BENGAL.	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
SOUTH BENGAL.	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
SOUTH BENGAL.	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Raingunge	Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Ulipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 7th of January 1887—concl.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May, 1886.	Average rainfall from 15th May 1886 to date.
			Saturday, 1st January.	Sunday, 2nd January.	Monday, 3rd January.	Tuesday, 4th January.	Wednesday, 5th January.	Thursday, 6th January.	Friday, 7th January.	Number of rainy days.	of rainfall week.				
NORTH BEHAR—continued.	Saran.	Gopalgunge...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	58.15	41.78
		Sewan...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.06	58.85	42.78
OUTER BEHAR.	Shahabad.	Chudra...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	67.06	38.70
		Buxar...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	48.10	37.00
		Dehree...	...	...	...	...	...	...	0.26	1	0.26	0.26	Nil	49.75	39.00
		Bhuboan...	...	...	...	...	...	...	0.17	1	0.17	0.17	0.02	51.96	39.78
		Sasseram...	...	...	...	...	...	...	0.20	1	0.20	0.20	0.03	52.71	39.78
		Arran...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	66.74	38.00
		Mohania...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	27.67	?
		Aurangabad...	...	...	...	...	...	...	0.31	1	0.31	0.31	0.04	65.56	41.18
		Gya...	...	...	...	...	...	...	0.15	1	0.15	0.15	0.04	65.77	40.68
		Nowadah...	...	...	...	...	...	...	0.08	1	0.08	0.08	0.01	63.66	38.18
		Jehanabad...	...	...	...	...	...	...	0.03	1	0.03	0.03	0.06	62.49	38.48
		Arwal...	...	...	...	...	...	...	0.30	1	0.30	0.30	?	52.87	?
		Jaudnagar...	...	...	...	...	...	...	0.08	1	0.08	0.08	?	53.20	?
		Sherghati...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	57.85	?
		Rajauli...	...	...	...	...	...	...	0.30	1	0.30	0.30	?	?	?
		Pakri Barawan...	...	...	...	...	...	0.10	...	1	0.10	0.10	?	66.71	?
		Patna...	...	...	...	...	...	...	0.08	1	0.08	0.08	0.00	64.31	40.18
		Dinapore...	...	...	...	...	...	...	0.41	1	0.41	0.41	0.06	70.16	39.78
		Behar...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.06	52.88	41.18
		Barre...	...	...	...	...	...	...	0.40	1	0.40	0.40	0.04	50.08	39.00
		Lickrum...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Hilsa...	...	...	...	...	...	...	0.11	1	0.11	0.11	?	?	?
		Begooeseri...	...	...	...	...	...	...	0.19	1	0.19	0.19	0.03	49.82	38.58
		Monghyr...	...	...	...	...	...	...	0.22	1	0.22	0.22	0.05	64.22	41.98
		Jamui...	...	...	...	...	...	...	0.09	1	0.09	0.09	0.02	57.68	41.88
		Gogri...	...	...	...	...	...	...	0.15	1	0.15	0.15	?	52.01	?
		Sheikpura...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	61.36	?
		Bhagulpore...	...	...	...	...	...	...	0.23	1	0.23	0.23	0.02	62.83	40.68
		Banks...	...	...	...	...	...	...	0.15	1	0.15	0.15	0.05	58.85	42.88
		Kolga...	...	...	...	...	...	...	0.20	1	0.20	0.20	?	50.85	?
		Rajmenal...	...	...	...	...	...	...	0.09	1	0.09	0.09	0.01	85.37	40.00
		Godda...	...	...	...	...	...	...	0.47	1	0.47	0.47	0.06	54.16	43.98
		Pakour...	...	...	...	...	...	...	0.53	1	0.53	0.53	Nil	84.09	50.18
		Nya Doomba...	...	...	...	...	...	...	0.63	1	0.63	0.63	0.09	70.67	52.58
		Deognur...	...	...	...	...	...	...	0.34	1	0.34	0.34	0.08	60.40	48.28
		Jamtara...	...	...	...	...	...	...	0.62	1	0.62	0.62	0.06	66.35	47.28
		Simra...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	54.83	?
		Nankhat...	...	...	...	...	...	1.20	1	1.20	1.20	?	?	?	?
		Pachamda...	...	...	...	...	...	...	0.27	1	0.27	0.27	0.05	60.21	46.00
		(Girdi)...	...	...	...	...	...	...	1.16	1	1.16	1.16	0.07	57.21	47.18
		Hazaribagh...	...	...	...	...	...	...	0.90	1	0.90	0.90	0.03	51.71	45.00
		Semta...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	55.88	46.40
		Manudi Hills...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.90	65.28
		Jhoomrah Hills...	...	...	...	...	...	0.44	...	2	0.44	0.44	?	66.73	?
		Barhi...	...	...	...	...	...	...	0.64	1	0.64	0.64	?	50.94	?
		Chatra...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50.35	?
		Karagdeha...	...	...	...	...	...	...	0.50	1	0.50	0.50	?	52.69	?
		Bamghar...	...	...	...	...	...	...	...	...	...	...	?	?	?
		Lohardugga...	...	...	...	...	...	...	0.38	1	0.38	0.38	?	58.58	?
		Kanchi...	...	...	...	...	...	...	0.30	1	0.30	0.30	0.02	52.16	51.18
		Palamow...	...	...	...	...	...	...	0.74	1	0.74	0.74	0.01	47.86	41.78
		Silli...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46.34	?
		Balumat...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51.08	?
		Hosseinaabad...	...	...	...	...	...	...	0.30	1	0.30	0.30	?	?	?
		Garsah...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.12	?
		Chyenassa...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.04	43.50	51.28
		Chakradhar...	...	...	...	...	...	...	0.22	1	0.22	0.22	?	56.42	?
		Ghatsilla...	...	...	...	...	...	...	0.25	1	0.25	0.25	?	55.05	?
		Baharagura...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	46.28	?
		Purulia...	...	...	...	...	...	...	0.32	1	0.32	0.32	0.02	45.25	49.18
		Gobinapore...	...	...	...	...	...	...	0.39	1	0.39	0.39	0.04	48.88	45.00
		Raghunath...	...	...	...	...	...	...	0.38	1	0.38	0.38	?	60.82	?
		pore...	...	...	...	...	...	...	0.20	1	0.20	0.20	?	36.83	?
		Barrabhoom...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Jhalda...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	57.94	?
		Chas...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 11th January 1887.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 7TH OF JANUARY 1887.

THE chief feature of the meteorology of the past week was the passage through the province of a cold-weather depression. So far as can be determined from the India weather telegrams sent from Simla daily, this depression originated in the south of Rajpootana or in Central India. It began to affect the weather in Bengal on Thursday afternoon. The barometer fell rather rapidly from that time, and skies began to cloud over on Friday. The central depression appears to have passed through the northern districts of Chutia Nagpur, South Behar, the northern and central districts of South-West Bengal into East Bengal, where it either filled up, or from whence it advanced into North Burmah. It gave overcast skies, thunderstorms, and moderate general rain on the 4th and 8th to Chutia Nagpur, South Behar, and the greater part of Bengal.

Pressure was either normal or slightly below the average at the commencement of the week. It oscillated irregularly, but showed a general tendency to fall during the week, due apparently to some action external to the province. A rapid fall occurred on Friday, which was most marked in South Behar and the central districts of South-West Bengal. Pressure has therefore been below the average during the week, and the defect was very considerable at the end of the week. The mean pressure of the week was '06" in defect in South Behar and a part of South-West Bengal (represented by Burdwan and Calcutta), '05" in Orissa and North Behar, and from '02" to '04" over the remainder of the province.

Temperature was approximately normal from the beginning of the week until the 6th. The formation of cloud and the increased humidity of the air, which accompanied the advance of the depression into Bengal, caused a very considerable increase in the night temperature of the 6th and 7th, and a much smaller increase in the maximum day temperature. The mean temperature of the week is hence generally in excess. The excess averaged 2.8° in Chutia Nagpur, 1.7° in South Behar, and 1° in South-West Bengal and Orissa. The mean temperature of the week was either normal, or slightly in defect in East and North Bengal and North Behar.

The following table gives data for eight representative stations in different districts of the province :—

Table for comparison of actual and normal average temperature.

	Normal mean maximum temperature for the week ending 7th January.	Actual mean maximum temperature for the week ending 7th January.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 7th January.	Actual mean minimum temperature for the week ending 7th January.	Variation of actual from normal.	Normal mean daily temperature for the week ending 7th January.	Actual mean daily temperature for the week ending 7th January.	Variation of actual from normal.
Cuttack	83.1	83.1	+3.0	58.9	56.0	+1.6	71.0	69.9	+1.9
Calcutta	75.6	77.7	+2.1	54.4	54.1	+0.2	65.0	66.5	+1.3
Burdwan	76.5	78.9	+2.4	54.9	54.2	+0.4	65.9	65.9	0
Dacca	77.2	77.5	+0.3	54.6	54.2	+0.2	61.3	59.5	+1.8
Purneah	74.9	71.5	+3.4	47.6	51.9	+3.2	60.0	63.0	+2.4
Bankipore	73.5	74.0	+0.5	48.7	49.6	+0.9	61.0	63.8	+2.8
Hazaribagh	72.4	74.7	+2.3	49.6	52.8	+3.2	61.0	63.8	+2.8
Darjeeling	45.3	42.8	-2.5	34.6	34.0	+0.6	40.0	38.4	+1.6

The greater part of the rainfall accompanying this disturbance fell after 6 P.M. of Friday, and hence the total amounts due to the disturbance will appear in the next report. The rainfall of the 7th was very general in Chutia Nagpur, which received an average of .5 inch, and in South Behar which obtained an average of .24 inch. The southern districts of North Bengal, and the Moorshedabad and Beerbhoom districts, received average amounts varying between .05 inch and .03 inch. The rainfall of the week in other districts was either very small in amount or nil. Protapgunj, in North Bhagulpore, reports 7.43 inches on the 7th, but this is most probably a mistake and is being investigated. Nanihat (in the South) Pergunnahs) and Perozepore (in Backergunge) each received 1.2 inches on the 7th, and Hazaribagh 1.16 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday the 7th January 1887 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1886	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.		
Orissa	80.4	54.0	79.3	59.5	69.4	+1.5	Nil	0.05	-0.05	0.0	0.2	-0.2	Nil	0.05	60.98	53.33
South-West Bengal	86.3	45.4	78.9	54.9	66.6	+1.0	0.13	0.08	+0.05	0.5	0.2	+0.3	0.13	0.08	60.00	51.62
East Bengal	80.6	45.1	75.3	52.4	63.9	0	0.09	0.14	-0.05	0.4	0.3	+0.1	0.09	0.14	89.07	74.53
North Bengal	78.9	42.9	74.3	49.8	62.1	-	0.15	0.04	+0.11	0.5	0.1	+0.4	0.15	0.04	75.49	68.98
North Behar	76.5	39.7	71.5	49.7	60.6	-0.6	0.01	0.07	-0.06	0.1	0.2	-0.1	0.01	0.07	65.93	46.74
South Behar	81.0	42.4	74.4	51.8	63.1	+1.7	0.25	0.05	+0.20	1.0	0.2	+0.8	0.25	0.05	62.11	42.07
Chutia Nagpur	79.1*	45.8*	75.0	53.4*	63.7*	+2.8*	0.54	0.03	+0.51	1.0	0.2	+0.8	0.54	0.03	52.52	48.08

* Chyebassa not included.

**Results of the Meteorological Observations taken at the Alipore Observatory from
2nd January 1887 to 8th January 1887.**

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1887.		O		Inches.	O	O		O	O	Inches	O	%			Inches.	
Jan.	2nd	126.6	9.5	30.015	62.2	74.3	21.8	52.5	55.3	0.352	49.3	64	NNE and NNW ...	74	Nil	Clear, D .
"	3rd	127.0	9.5	.015	62.4	75.6	23.9	51.7	56.5	.381	51.4	70	N by W and Calm ...	53	"	Clear, D .
"	4th	129.5	9.6	29.981	64.4	77.4	23.6	53.8	58.6	.421	54.2	71	WSW and WNW ...	59	"	Chiefly clear, D , = .
"	5th	130.5	8.6	.937	67.5	80.4	22.6	57.8	62.1	.489	58.3	75	SSW, WNW and SW by W.	70	"	Chiefly clear, D , = .
"	6th	132.6	9.5	.946	68.9	81.1	22.8	58.3	63.4	.514	59.7	75	SSW, WNW and SW by W.	71	"	Chiefly clear, D .
"	7th	131.3	8.9	.933	69.3	81.1	19.3	61.8	64.1	.531	60.6	76	SW by W, NNW and variable.	137	0.93	Chiefly cloudy, D , < , o , g , t , p , K .
"	8th	115.5	1.7	.947	66.0	76.9	15.7	61.2	64.3	.583	63.3	91	WSW and variable	77	0.83	Chiefly cloudy, o , g , d , p .

The mean pressure of the seven days ... 29.968
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 30.022

The total number of hours of bright sunshine ... 57.3
The maximum possible number of hours of sunshine ... 75.8

The mean temperature of the seven days ... 65.8
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 67.5
The extreme variation of temperature ... 29.4
The maximum temperature ... 81.1

The highest velocity of the wind in one hour ... 18

The highest pressure of wind on one square foot ... 12

The mean relative humidity ... 75
The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 72

The total fall of rain from 2nd to 8th January 1887 ... 1.26
The average fall of the corresponding period for 24 years, S. G.'s Office ... 0.09
The total fall from 1st to 8th January 1887 ... 1.26
The average fall of the corresponding period for 24 years, S. G.'s Office ... 0.09

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.
The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

O overcast, g gloomy, t thunder, p passing temporary showers, K thunderstorm, = dew, < lighting, = fog,

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 10th January 1887.

**Abstract of the results of Meteorological Observations taken at the Alipore
Observatory in the month of December 1886.**

	Inches.	Date.	Hour.
The mean pressure of the month ...	30.020		
The average pressure of December from 24 years' registers ...	30.027		
The highest pressure in the month ...	30.197	26th	10h.
The lowest pressure in the month ...	29.878	1st	16h.
The range of pressure ...	0.319		
Hours.			
The total number of hours of bright sunshine during the month	269.0		
The maximum possible number of hours of sunshine	332.8		
°			
The mean temperature of the month ...	67.1		
The average temperature of December from 24 years' registers	68.0		
The highest temperature in the month ...	84.8	9th	
The lowest temperature in the month ...	52.1	18th	
The range of temperature during the month ...	32.7		
The mean daily range of temperature ...	20.0		
The greatest range of temperature in one day ...	23.6	27th	
Per cent.			
The mean humidity of the month ...	73		
The average humidity of December from 24 years' registers ...	71		
Inches.			
The mean vapour tension of the month ...	0.481		
The average vapour tension of December from 9 years' registers	0.476		
The mean cloud proportion of the month ...	1.65		
The average cloud proportion of December from 9 years' registers	1.90		
Inches.			
The total rainfall of the month ...	Nil.		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	Nil.		
The average fall of December from 48 years' registers ...	0.23		
The greatest fall in 24 hours ...	Nil.		
Days.			
The number of rainy days in the month ...	Nil.		
The average number of rainy days in December from 24 years' registers ...	1		
°			
The mean maximum equilibrium temperature of solar radiation during the month ...	130.3		
The mean difference of sun and air temperatures ...	52.1		
The greatest sun temperature ...	143.7	9th	
The greatest excess of sun over air temperature ...	59.0	11th	
The mean temperature of the nocturnal radiation thermometer on woollen cloth ...	48.9		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ...	9.3		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ...	13.3	8th	
Miles.			
The mean movement of the wind per day ...	68.3		
The greatest movement of the wind in one day ...	120.0	30th	
The greatest movement of the wind in one hour ...	12.0	5th	11 to noon.
The number of hours with winds from each of the 8 points—			

N. 258, NE. 25, E. 29, SE. 49, S. 16, SW. 47, W. 110, NW. 155, Calm 55.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of former years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 2.3° lower; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards, is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 11th January 1887.

**Results of the Thermometrical Observations taken at the Meteorological Office,
Chowringhee, from 2nd to 8th January 1887.**

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°	°	°	°	Inches.	°	%	Inches.
January	2nd	64.0	76.0	22.1	53.9	57.4	.386	51.8	65	Nil.
"	3rd	64.0	77.2	25.5	51.7	57.3	.383	51.6	64	"
"	4th	66.0	78.9	24.8	54.1	60.4	.453	56.2	70	"
"	5th	68.6	81.9	23.2	58.7	61.9	.466	57.0	66	"
"	6th	70.2	82.9	23.8	59.1	65.7	.574	62.9	78	"
"	7th	70.8	81.9	20.0	61.9	64.0	.507	59.3	67	"
"	8th	64.6	79.9	18.2	61.7	64.5	.608	64.5	99	1.08

The mean temperature of the seven days ... 66.9
 The extreme variation of temperature ... 31.2
 The maximum temperature ... 82.9

The mean relative humidity ... 73

The total fall of rain from 2nd to 8th January 1887 ... 1.08

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA,

The 10th January 1887.

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

**Abstract of the results of the Thermometric Observations taken at the Meteorological
Office, Chowringhee, in the month of December 1886.**

	☉	Date.
The mean temperature during the month	68.3	
The highest temperature during the month	86.7	9th.
The lowest temperature during the month	52.1	18th.
The range of temperature during the month	34.6	
The mean daily range of temperature during the month	20.9	
The greatest range of temperature in one day during the month	24.4	26th.
	%	
The mean humidity during the month	72	
	Inches.	
The mean vapour tension during the month	.499	
The total rainfall of the month	Nil.	
The greatest fall in 24 hours	Nil.	
The number of rainy days in the month	Nil.	

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;

Calcutta, the 3rd January 1887.

MEMORANDUM.

The principal Municipalities in Bengal presented, during the week ending 18th December 1886, a birth-rate of 26·5 per 1,000 of population against very nearly the same proportion, viz., 26·8 per 1,000 in the preceding week ending 11th December, and a death-rate of 41·4 against 44·7 per 1,000, indicating a large decrease in the registration of the events.

2. The following Municipalities furnished the highest proportions of births and deaths:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Comillah	...	57·7	Naraingunge	...	82·8
Chittagong	...	47·1	Serampore	...	80·5
Monghyr	...	43·4	Suburbs of Calcutta	...	64·3
Durbhanga	...	38·5	Beauleah	...	60·4
Bhagulpore	...	38·0	Darjiling	...	58·7
Gya	...	36·3	Purneah	...	55·4
Naraingunge	...	33·1	Hughli	...	52·4
Serampore	...	31·4	Dacca	...	46·7
			Gya	...	46·4
			Comillah	...	46·2
			Santipore	...	45·5
			Bali	...	42·1
			Midnapore	...	40·2
			Puri	...	39·9
			Bhagulpore	...	39·8
			Mozufferpore	...	37·7
			Durbhanga	...	36·2
			Howrah	...	35·5
			Monghyr	...	30·7
			Burdwan	...	30·5

3. The subjoined table indicates that, as compared with the outcome of the preceding week, there was a sensible abatement in the death-rates from cholera and fever, while the fatal results from the other diseases exhibited fractional variations:—

			Ratio per mille during the weeks ending—	
			18th December 1886.	11th December 1886.
Cholera	...	...	10·0	11·7
Small-pox	...	...	...	·03
Fever	...	...	15·2	16·6
Bowel-complaints	...	...	5·9	6·3
Injury	...	...	·4	·3
Other causes	...	...	9·9	9·7

4. Excluding small-pox, from which no death was reported to have occurred, and injury, the mortality from which was nowhere high, the rest of the maladies above specified exhibited greatest severity in the following Municipalities:—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Naraingunge	62·1	Beauleah	49·9	Darjiling	26·1	Gya	24·5
Santipore	40·3	Purneah	48·5	Serampore	23·5	Comillah	23·1
Bhagulpore	18·1	Serampore	27·5	Puri	12·6	Serampore	19·6
Dacca	16·8	Hughli	25·5	Hughli	12·1	Suburbs of Calcutta	16·5
Suburbs of Calcutta	16·5	Suburbs of Calcutta	23·8	Midnapore	10·8	Puri	14·7
Hughli	14·8	Bali	21·1			Bhagulpore	14·5
Bali	14·0	Mozufferpore	20·7			Durbhanga	11·8
Howrah	10·9						
Serampore	9·8						
Durbhanga	7·9						
Patna	7·5						
Mozufferpore	6·1						

It will be noticed that the mortality from cholera in the Naraingunge and Bali towns, although yet high, was considerably below that of the preceding week, and that the same disease prevailed in the Santipore town with greater severity.

5. Distributed under the heads of *Sex*, *Class* and *Age*, the mortality of the week under review stood as follows:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	41·7	Christians	26·1	Under 1 year	259·0
Females	41·2	Hindus	41·5	1 and under 5 years	60·7
Ratio of male deaths to every 100 female deaths	114	Mahomedans	41·5	5 " " 10 " "	20·2
		Buddhists	96·7	10 " " 15 " "	18·5
				15 " " 20 " "	27·7
				20 " " 30 " "	26·1
				30 " " 40 " "	26·2
				40 " " 50 " "	33·7
				50 " " 60 " "	57·3
				60 years and upwards	109·8

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 10th January 1887.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 18th December 1886.

[illegible]

MORTALITY ACCORDING TO—

Age.

Class.

DISTRICTS.
NAMES OF MUNICIPALITIES.

DEATHS AMONG—

DEATHS.

RATIO PER 1,000 OF POPULATION PER ANNUM.

Districts.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	6 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up.	Totals.
Burdwan
Midnapore
Hughli
Scramore
Uttarpara
Howrah
Bali
Suburbs of Calcutta
Kishinagar
Ran-ghat
Santipore
Jessore
Rajshahye
Darjiling
Dacca
Narsingange
Chittagong
Tippur-h
Patna
Gya
Shahabad
Muzafferpore
Darbhanga
Saran
Bhagalpore
Monghyr
Purneah
Puri

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 10th January 1887.R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

MEMORANDUM.

The birth and death returns of the principal Municipalities in Bengal yielded the following results for the week ending 25th December 1886 :—

1. That the ratios per *mille* of births and deaths for the period above referred to stood at—births 26·7 as opposed to very nearly the same proportion, viz. 26·5, during the preceding week ending 18th December—deaths at 39·7 against 41·4, indicating great reduction in the registration of the events.

2. That the following Municipalities registered the highest proportions of births and deaths :—

Births.			Deaths.		
		Ratio per <i>mille</i> .			Ratio per <i>mille</i> .
Comillah	...	65·5	Naraingunge	...	120·1
Durbhanga	...	64·5	Serampore	...	64·8
Utterpara	...	47·2	Suburbs of Calcutta	...	62·0
Monghyr	...	43·4	Durbhanga	...	54·3
Naraingunge	...	37·3	Hughli	...	53·7
Bali	...	35·1	Purneah	...	51·9
Serampore	...	33·4	Puri	...	50·4
Howrah	...	33·2	Dacca	...	46·1
Gya	...	30·8	Beauleah	...	42·0
			Bhagulpore	...	40·8
			Kishnaghur	...	39·7
			Bali	...	38·6
			Gya	...	33·2
			Howrah	...	33·8

3. That in comparison with the results of the preceding week, the only noticeable point is, that there was a sensible abatement in the mortality from cholera, *vide* subjoined table :—

			Ratio per <i>mille</i> during the weeks ending—	
			25th Dec. 1886.	18th Dec. 1885.
Cholera	...	...	7·8	10·0
Small-pox	...	...	...	...
Fever	...	...	15·2	15·2
Bowel-complaints	...	...	6·4	5·9
Injury	...	...	·2	·4
Other causes	...	...	10·1	9·9

4. That the above mentioned death-causes (excepting small-pox from which no death was reported, and injury the casualties from which were nowhere large) caused the greatest loss of life in the following Municipalities :—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per <i>mille</i> .		Ratio per <i>mille</i> .		Ratio per <i>mille</i> .		Ratio per <i>mille</i> .
Naraingunge	86·9	Beauleah	36·8	Puri	16·8	Serampore	23·5
Bhagulpore	20·8	Purneah	27·7	Bali	14·0	Dacca	16·2
Kishnaghur	18·9	Serampore	27·5	Serampore	11·8	Gya	15·7
Suburbs of Calcutta	13·6	Hughli	25·5	Suburbs of Calcutta	10·7	Midnapore	15·5
Dacca	10·4	Jessore	24·4	Durbhanga	10·2	Puri	14·7
Hughli	9·4	Durbhanga	23·6			Suburbs of Cal-	
Howrah	9·2	Suburbs of Calcutta	23·0			cutta	14·5
Santipore	7·0					Durbhanga	14·2
Durbhanga	6·2						
Patna	3·6						

It will be observed that, in comparison with the preceding week, cholera prevailed with added severity in the Naraingunge Municipality.

That the death-rates, in relation to *Sex*, *Class* and *Age*, were returned at the rates noted below :—

According to Sex.		According to Class.		According to Age.	
	Ratio per <i>mille</i> .		Ratio per <i>mille</i> .		Ratio per <i>mille</i> .
Males	39·9	Christians	26·1	Under 1 year	252·1
Females	39·4	Hindus	39·3	1 and under 5 years	56·9
Ratio of male deaths to every 100 female deaths	114	Mahomedans	41·4	5 " 10 "	19·0
				10 " 15 "	17·6
				15 " 20 "	24·6
				20 " 30 "	24·5
				30 " 40 "	31·4
				40 " 50 "	29·2
				50 " 60 "	43·7
				60 years and upwards	98·8

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 10th January 1887.

[illegible]

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, in as much as the census of the Europeans, above alluded to, cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of October 1886.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDA CANAL 27 MILES.
MACHGONG „ 4 „

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
1	1. Grain ...	.....	6	6	150	6	150	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
.....	3. Oilseeds ...	.....	.....	.....	.....	.....	.....
.....	4. Salt ...	.....	.....	.....	.....	.....	.....
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
.....	7. Building materials ...	.....	.....	.....	.....	.....	.....
.....	8. Miscellaneous ...	.....	.....	.....	.....	.....	.....
.....	9. Fuel ...	.....	.....	.....	.....	.....	.....
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
1	12. Total ...	.....	6	6	150	6	150	
45	13. Total of same month last year ...	.....	.....	132	7,032	93	7,901	

	Up.	Down.	Total.		Rs. A. P.
4. Total number of boats plying cargo No.	1	1	Total tollage of month— 24+25+26 ...	1 7 0
5. Total number of boats plying passenger No.	Total tollage of same month last year ...	109 9 6
6. Total registered tonnage, cargo ...	4	9	13	<i>Memorandum of Tollage.</i>	
7. Total registered tonnage, passenger		
8. Ten-mileage ...	40	90	130		
9. Estimated value of cargo Rs.	150	150		
10. Number of passengers No.	1. Balance not recovered on the 1st of the month ...	3 2 0
11. Rafts, bamboos c. ft.	2. Tollage per month ...	1 7 0
12. Do., bullahs „		
13. Estimated value of rafts Rs.		
14. Tollage on boats „	0-3-0	.....	0-3-0	3. Total ...	4 9 0
15. Compounded tollage on boats	1-4-0	1-4-0	4. Amount credited in the accounts of the month ...	3 2 0
16. Tollage on rafts „		
17. Total tollage on boats per ton-mile	1-7-5		
18. Total tollage on rafts per 100 cubic feet	5. Balance due at the end of the month ...	1 7 0

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
25	1. Grain ...	95	110	205	19,440	205	19,440
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
14	3. Oilseeds ...	61	231	295	29,660	295	29,660
15	4. Salt ...	92	27	119	13,170	119	13,170
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metals ...	.....	.....	.....	.....	.....	.....
2	7. Building materials ...	.....	9	9	20	9	20
273	8. Miscellaneous ...	1,763	948	2,711	1,79,500	2,709	1,79,500
10	9. Fuel ...	16	4	20	90	20	90
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
339	12. Total ...	2,030	1,329	3,359	2,41,880	3,357	2,41,880
595	13. Total of same month last year ...	.....	.....	2,570	2,30,050	2,557	2,29,500

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo ... No.	199	140	339	Total tollage of month— 24 + 25 + 26 ...	2,318 9 5
15. Total number of boats plying passengers ... No.	69	33	102	Total tollage of same month last year ...	3,572 9 10
16. Total registered tonnage, cargo ...	2,030	1,329	3,359	<i>Memorandum of Tollage.</i>	
17. Total registered tonnage, passengers.	1,656	782	2,438		
18. Ton-mileage ...	49,511	43,956	93,467		
19. Estimated value of cargo Rs.	1,81,690	60,190	2,41,880		Rs. A. P.
20. Number of passengers No.	4,020	821	4,841	1. Balance not recovered on the 1st of the month ...	5,029 15 3
21. Rafts, bamboos ...	.....	.....	.....	2. Tollage per month ...	2,318 9 5
22. Do, bullahs ...	.....	.....	.....	3. Total ...	7,348 8 8
23. Estimated value of rafts ...	.....	.....	.....	4. Amount credited in the accounts of the month ...	3,117 13 4
24. Tollage on boats Rs.	1,442-6-7	876-2-10	2,318-9-5	5. Balance due at the end of the month ...	4,230 11 4
25. Compounded tollage on boats Rs.	.....	.....	.....
26. Tollage on rafts "	.....	.....	.....
27. Total tollage on boats per ton-mile ...	.....	.....	4-8		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	.....

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
21	1. Grain ...	90	.....	90	5,000	90	5,020
1	2. Cotton ...	.....	3	3	800	3	800
8	3. Oilseeds ...	32	.....	32	3,130	32	3,130
51	4. Salt ...	.....	129	129	10,860	129	10,800
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
...	6. Metal ...	.....	.....	.....	.....	.....	.....
1	7. Building materials ...	.....	3	3	70	3	70
141	8. Miscellaneous ...	289	400	689	40,350	689	40,350
40	9. Fuel ...	115	...	115	300	115	300
2	10. Timbers ...	5	.....	5	140	5	140
...	11. Bamboos ...	.....	.....	.....	.....	...	...
265	12. Total ...	531	535	1,066	60,610	1,066	60,610
323	13. Total of same month last year ...	...	...	748	74,740	748	74,740

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo ... No.	142	123	265	Total tollage of month— 24 + 25 + 26 ...	574 4 3
15. Total number of boats plying passengers ... No.	8	1	9	Total tollage of same month last year ...	547 9 8
16. Total registered tonnage, cargo ...	531	535	1,066	<i>Memorandum of Tollage.</i>	
17. Total registered tonnage, passenger ...	14	4	18		
18. Ton-mileage ...	14,028	12,991	27,019		
19. Estimated value of cargo Rs.	41,810	18,800	60,610		Rs. A. P.
20. Number of passengers No.	56	2	58	1. Balance not recovered on the 1st of the month ...	152 4 6
21. Rafts, timbers c. ft.	473	.....	473	2. Tollage per month ...	574 4 3
22. Do., bullocks "	.....	.....	.....
23. Estimated value of rafts Rs.	950	.....	950	Total ...	726 8 9
24. Tollage on boats "	286-15-6	229-14-6	516-14-0		
25. Compounded tollage on boats Rs.	.....	.....	.....	3. Amount credited in the accounts of the month ...	510 9 3
26. Tollage on rafts "	57-6-3	...	57-6-3		
27. Total tollage on boats per ton-mile ...	.....	.....	4-1		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	.....	4. Balance due at the end of the month ...	215 15 6

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
11	1. Grain ...	13	62	75	1 917	75	1,917	
1	2. Cotton ...	.....	2	2	300	2	300	
6	3. Oilseeds ...	31	.....	31	1,070	31	1,070	
2	4. Salt ...	15	.....	15	1,070	15	1,070	
5	5. Piece-goods ...	33	.....	33	4,610	33	4,610	
1	6. Metal ...	.....	9	9	.....	9	.....
21	7. Building materials ...	325	.....	325	209	5	75	
79	8. Miscellaneous ...	210	257	467	14,336	275	13,146	
5	9. Fuel ...	44	.....	44	62	.....	.....
2	10. Timber ...	.....	.....	.....	120	.....	120	
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
133	12. Total ...	671	330	1,001	23,694	445	22,308	
206	13. Total of same month last year ...			341	30,973	306	30,876	

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo No.	69	61	130	Total tollage of month— 24 + 25 + 26 ..	157 5
15. Total number of boats plying passenger No.	1	2	3	Total tollage of same month last year ...	155 4
16. Total registered tonnage, cargo ...	669	322	991		
17. Total registered tonnage, passenger ...	2	8	10		
18. Ton-mileage ...	14,132	3,626	17,758		
19. Estimated value of cargo Rs.	22,049	1,645	23,694		
20. Number of passengers No.	219	344	563		
21. Rafts, bamboos c ft.	.....	.....	.....
22. Do, bullahs ..	40	51	91		
23. Estimated value of rafts Rs.	120	.....	120		
24. Tollage on boats ..	116-15-6	37-3-3	154-2-9		
25. Compounded tollage on boats ... Rs	.....	.....	.....
26. Tollage on rafts ..	2-14-0	0 4-3	3-2-3		
27. Total tollage on boats per ton-mile ..	.....	.....	0-0-1-6		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	3-6-2		

	Rs. A. P.
1. Balance not recovered on the 1st of the month ..	4 9
2. Tollage per month ...	157 5
3. Total ...	161 14
4. Amount credited in the accounts of the month ...	161 14
5. Balance due at the end of the month ...	.....

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
7	1. Grain ...	13	32	45	45	1,630	
...	2. Cotton ...	.....	.....	.....	.....	.....
1	3. Oilseeds ...	10	.....	10	10	560	
4	4. Salt ...	16	8	24	24	1,296	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....
18	7. Building materials ...	286	.....	286	.....	.....
59	8. Miscellaneous ...	135	190	325	202	17,900	
.....	9. Fuel ...	.....	.....	.....	.....	.....
.....	10. Timber ...	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....
89	12. Total ...	460	220	680	281	21,386	
70	13. Total of same month last year ...	.....	.....	121	121	10,976	
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo ... No.	40	47	87	Total tollage of month— 24 + 25 + 26 ...		105 3
15.	Total number of boats plying passenger ... No.	.....	2	2	Total tollage of same month last year ...		53 6 6
16.	Total registered tonnage, cargo ...	460	212	672			
17.	Total registered tonnage, passenger ...	.....	8	8			
18.	Ton mileage ...	5,302	2,801	8,103	<i>Memorandum of Tollage.</i>		
19.	Estimated value of cargo Rs.	20,096	1,290	21,386			
20.	Number of passengers No.	224	351	575			
21.	Rafts, bamboos c. ft.	.....	.....	.....
22.	Do., bullahs "	.....	.....	.....
23.	Estimated value of rafts Rs.	.....	.....	.....
24.	Tollage on boats "	80-1-3	25-2-0	105-3-3			
25.	Compounded tollage on boats ... Rs.	.....	.....	.....
26.	Tollage on rafts "	.....	.....	.....
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-1-4			
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	.....
					1. Balance not recovered on the 1st of the month ...		
					2. Tollage per month ...	105 3 3	
					3. Total ...	105 3 3	
					4. Amount credited in the accounts of the month ...	105 3 3	
					5. Balance due at the end of the month ...	.....

HIDGELLER TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
349	1. Grain ...	1,732	...	1,732	58,473	1,732	58,473	
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
...	3. Oilseeds ...	.....	.....	.....	.....	.....	.....
29	4. Salt ...	.....	219	219	15,370	219	15,370	
12	5. Piece-goods ...	.....	41	41	28,625	41	28,625	
...	6. Metal ...	.....	.....	.....	.....	.....	.....
6	7. Building materials ...	12	14	26	161	26	161	
656	8. Miscellaneous ...	323	321	644	73,948	644	73,948	
9	9. Fuel ...	...	52	52	363	52	363	
27 rafts	10. Timber ...	1,500 c. ft.	13,500 c. ft.	15,000 c. ft.	15,020 c. ft.	15,000	15,020	
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
1,961 & 27 rafts.	12. Total ...	2,067 & 1,500 c. ft.	647 & 13,500 c. ft.	2,714 & 15,000 c. ft.	1,91,960	2,714 & 15,000 c. ft.	1,91,960	
1,620	13. Total of same month last year ...	...	...	4,685	3,15,055	4,685	3,15,055	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	522	539	1,061	Total tollage of month— 24 + 25 + 26 ...			2,847 0 9
15.	Total number of boats plying passenger No.	55	80	135	Total tollage of same month last year			4,276 1 3
16.	Total registered tonnage, cargo ...	4,630	3,113	7,743	<i>Memorandum of Tollage.</i>			
17.	Total registered tonnage, passenger ...	308	364	672				
18.	Ton-mileage ...	88,411	66,722	1,55,133				
19.	Estimated value of cargo Rs.	74,235	1,02,705	1,76,940				
20.	Number of passengers No.	428	531	959				
21.	Rafts, bamboos c. ft.	.....	.....	.....	
22.	Do., bullahs ..	1,500	13,500	15,000				
23.	Estimated value of rafts Rs.	900	14,120	15,020				
24.	Tollage on boats ..	1,434-10-6	1,071-9-6	2,506-4-0				
25.	Compounded tollage on boats ... Rs.	106-7-9	96-1-0	202-8-9				
26.	Tollage on rafts ..	-6-0	128-14-0	138-4-0				
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-3				
28.	Total tollage on rafts per 100 cubic feet ..	.....	.....	0-14-9				
					1. Balance not recovered on the 1st of the month ...	Rs. A. P. 1,401 8 0		
					2. Tollage per month ...	2,847 0 9		
					3. Total ...	4,248 8 9		
					4. Amount paid into treasury during the month ...	3,112 13 0		
					5. Balance due at the end of the month ...	1,135 11 9		

SONE CIRCLE.
PATNA CANAL SYSTEM.
LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
6	1. Grain ...	.....	78	78	5,800	78	5,800	
3	2. Cotton ...	2	8	10	5,932	10	5,932	
24	3. Oilseeds ...	.....	343	343	64,541	343	64,541	
5	4. Salt ...	78	1	79	7,362	79	7,362	
12	5. Piece-goods ...	70	3	73	25,685	73	25,685	
.....	6. Metal ...	5	1	6	2,406	6	2,406	
17	7. Building materials ...	18	104	122	880	103	103	
83	8. Miscellaneous ...	220	187	407	48,177	350	33,057	
3	9. Fuel ... { boats rafts	10	9	19	194	10	80	
Rafts {	10. Timber ...	.....	86	86	464	86	464	
	11. Bamboos ...	3	29	29	123	29	123	
153	12. Total ...	406	910	1,346	1,66,707	1,271	1,51,233	
223	13. Total of same month last year ...	.....	.....	842	75,141	818	74,669	

	Up.	Down.	Total.		Rs. A.
14. Total number of boats plying cargo No.	59	94	153	Total tollage of month— 24 + 25 + 26 ...	1,797 2
15. Total number of boats plying passenger No.	5	4	9		
15½. Total number of empty boats ...	82	20	102	Total tollage of same month last year ...	914 15
16. Total registered tonnage, cargo	715	1,368	2,083		
17. Total registered tonnage, passenger	166	164	330		
17½. Total registered tonnage empty	399	107	506		
18. Ton-mileage	64,500	1,10,433	1,74,933		
19. Estimated value of cargo Rs.	66,944	14,033	1,60,977		
20. Number of passengers No.	318½	387	705½		
21. Rafts, bamboos c. ft.	450	13,650	14,100		
22. Do., bullahs "	.....	8,625	8,625		
23. Estimated value of rafts Rs.	53	5,677	5,730		
24. Tollage on boats "	4-6-7-6	961-1-6	1,447-9-0		
25. Compounded tollage on boats Rs.	75	75	150		
26. Tollage on rafts "	0-2-9	199-6-3	199-9-0		
27. Total tollage on boats per ton-mile	.....	.....	1-7 pies.		
28. Total tollage on rafts per 100 cubic feet	.....	.....	0-14-0		

Memorandum of Tollage.				Rs. A.
1. Balance not recovered on the 1st of the month	...	...	...	294 3
2. Tollage per month	...	...	...	1,797 2
3. Total	...	...	...	2,091 5
4. Amount credited in the accounts of the month	...	...	...	1,723 15
5. Balance due at the end of the month	...	...	...	367

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
29	1. Grain ...	9	133	142	142	7,813	
1	2. Cotton ...	3	.....	3	3	840	
13	3. Oilseeds ...	.....	104	104	104	6,930	
46	4. Salt ...	314	.....	314	314	32,157	
1	5. Piece-goods ...	.....	21	21	21	29,300	
1	6. Metal ...	7	.....	7	7	600	
39	7. Building materials ...	.....	288	288	63	1,015	
79	8. Miscellaneous ...	76	455	531	504	41,068	
2	9. Fuel ...	.....	28	28	28	100	
Rafts	10. Timber ...	.....	608	608	608	2,282	
	11. Bamboos ...	.....	22	22	22	220	
211	12. Total ...	409	1,659	2,068	1,816	1,22,325	
302	13. Total of same month last year ...	.....	.....	2,092	2,092	1,24,272	
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo No.	67	144	211	Total tollage of month— 24 + 25 + 26 ...		1,140 3 0
15.	Total number of boats plying passenger No.	20	21	41			
16.	Total number of empty boats No.	40	28	68	Total tollage of same month last year ...		1,069 2 0
16.	Total registered tonnage, cargo ...	610	1,689	2,299	<i>Memorandum of Tollage.</i>		
17.	Total registered tonnage, passenger ...	424	490	914			
17.	Total registered tonnage, empty ...	108	81	189			Rs. A. P.
18.	Ton mileage ...	61,290	88,108	1,49,398	1. Balance not recovered on the 1st of the month ...		51 6 9
19.	Estimated value of cargo Rs.	49,855	70,226	1,20,081			
20.	Number of passengers No.	1,117	1,241	2,428	2. Tollage per month ...		1,140 3 0
21.	Rafts, bamboos c. ft.	.....	3,300	3,300			
22.	Do., bullahs „	.....	45,641	45,641			
23.	Estimated value of rafts Rs.	.....	2,502	2,502	3. Total ...		1,191 9 9
24.	Tollage on boats „	424-3-0	443-4-0	867-7-0			
25.	Compounded tollage on boats Rs.	100-0-0	100-0-0	200-0-0	4. Amount credited in the accounts of the month ...		1,106 7 0
26.	Tollage on rafts „	.....	72-12-0	72-12-0			
27.	Total tollage on boats per ton-mile ...	.....	.....	1-3 pies			
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	2-3 as.	5. Balance due at the end of the month ...		85 2 9

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.	
		Quantity—Tons.		Value.	Quantity.	Value.
		Up.	Down.	Total.	Tons.	Rupees.
6	1. Grain ...	23	52	75	75	9,428
.....	2. Cotton ...	.....	.....	.....	.....	.....
2	3. Oilseeds ...	.....	6	6	6	671
.....	4. Salt ...	8	.....	8	8	662
.....	5. Piece-goods ...	7	.....	7	7	6,813
.....	6. Metal ...	3	.....	3	3	1,850
14	7. Building materials ...	3	181	184	35	2,214
27	8. Miscellaneous ...	.....	236	236	236	29,269
Rafts {	9. Fuel ...	.....	113	113	113	1,275
	10. Timber ...	.....	59	59	59	750
	11. Bamboos ...	.....	6	6	6	95
49	12. Total ...	44	653	697	548	53,027
70	13. Total of same month last year ...	.....	.....	783	783	45,152

	Up.	Down.	Total.		Rs. A.
14. Total number of boats plying cargo ... No.	3	46	49	Total tollage of month— 24 + 25 + 26 ...	357 15
15. Total number of boats plying passenger ... No.	8	8	16		
15½. Total number of empty boats ... No.	26	5	31	Total tollage of same month last year ...	318 12
16. Total registered tonnage, cargo ...	48	806	854		
17. Total registered tonnage, passenger ...	216	216	432		
17½. Total registered tonnage, empty ...	73	17	90		
18. Ton-mileage ...	6,277	29 0.2	35,299	Memorandum of Tollage.	
19. Estimated value of cargo Rs.	16,361	40,271	56,632		
20. Number of passengers No	600	555	1,155	1. Balance not recovered on the 1st of the month ...	49 5
21. Rafts, bamboos ... c ft.	.....	950	950	2. Tollage per month ...	357 15
22. Do., bullahs ... „	.....	12,928	12,928		
23. Estimated value of rafts Rs.	.....	2,120	2,120	3. Total ...	407 5
24. Tollage on boats ... „	20-12-3	161-11-9	182-8-0		
25. Compounded tollage on boats ... Rs.	75	75	150	4. Amount credited in the accounts of the month ...	376 11
26. Tollage on rafts ... „	.....	25-7-9	25-7-9		
27. Total tollage on boats per ton-mile ...	.....	.....	1-8 pies		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	0-2-11	5. Balance due at the end of the month ...	30 10

ABSTRACT FOR THE MONTH OF OCTOBER 1886, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

CANAL.	TRAFFIC, 1886-87.		TRAFFIC, 1885-86.		REMARKS.
	During the month.	To end of the month.	During the month.	To end of the month.	
<i>Orissa Circle.</i>	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Baldunda Canal System ...	1 7 0	1,473 1 7	109 9 6	830 0 9	
Chandrapara Canal System ...	2,318 9 5	22,492 12 11	3,572 9 10	22,833 11 10	
High Level Canal, Range I	574 4 3	3,907 9 0	547 9 8	3,768 8 11	
Ditto, Range II	157 5 0	1,931 11 3	155 4 0	1,687 2 7	
Ditto, Range III	105 3 3	1,193 9 6	53 6 6	695 9 0	
Total Orissa Circle ...	3,156 12 11	30,998 12 3	4,438 7 6	29,815 1 1	
<i>South-Western Circle.</i>					
Midnapore Canal ...	7,725 7 0	67,546 3 3	10,313 4 6	76,633 9 9	
Hidgellee Tidal Canal ...	2,847 0 9	36,628 7 9	4,276 1 3	35,677 3 6	
Total South-Western Circle	10,572 7 9	1,04,174 11 0	14,589 5 9	1,12,310 13 3	
<i>Sone Circle.</i>					
Patna Canal System ...	1,797 2 0	13,027 3 9	914 15 9	13,341 5 6	
Arrah ditto ...	1,140 3 0	11,724 13 7	1,069 2 0	9,294 10 1	
Buxar ditto ...	357 15 9	4,642 14 10	318 12 9	3,613 9 3	
Total Sone Circle ...	3,295 4 9	29,395 0 2	2,302 14 6	26,249 8 10	
GRAND TOTAL ...	17,024 9 5	1,64,568 7 5	21,330 11 9	1,68,375 7 2	

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1886-87.						TRAFFIC, 1885-86.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.
<i>Orissa Circle.</i>	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High level ...	723	103	675 0 7	6,235	12,279	7,091 3 11	1,177	2,479	1,412 10 5	8,207	25,105	10,713 12 10
Total Orissa Circle ...	723	103	675 0 7	6,235	12,279	7,091 3 11	1,177	2,479	1,412 10 5	8,207	25,105	10,713 12 10

Transport service on the Midnapore and Sone Canals is under contract.

TOTAL NAVIGATION RECEIPTS.

CANAL.	EARNINGS, 1886-87.		EARNINGS, 1885-86.		REMARKS.
	During the month.	To end of the month.	During the month.	To end of the month.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals ...	3,831 13 6	38,090 0 2	5,851 1 11	40,528 13 11	
Midnapore Canal ...	7,725 7 0	67,546 3 3	10,313 4 6	80,055 5 0	
Hidgellee Tidal Canal ...	2,847 0 9	36,628 7 9	4,276 1 3	35,677 3 6	
Sone Canals ...	3,295 4 9	29,395 0 2	2,302 14 6	29,414 6 6	
Total ...	17,699 19 0	1,71,659 11 4	22,743 6 2	1,85,675 12 11	

R. B. BUCKLEY.

Under-Secy. to the Govt. of Bengal.

CALCUTTA.
11th January 1887.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL.

LENGTH OF CANAL OPEN, 91 MILES.

Statement showing quantities of Goods carried during the month of November 1886.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
134	1. Grain ...	947	28	975	29,279	975	29,279	
1	2. Cotton ...	.....	5	5	3,000	5	3,000	
2	3. Oilseeds ...	1	2	3	245	3	245	
20	4. Salt ...	1	159	160	9,470	160	9,470	
2	5. Piece-goods ...	.....	13	13	3,450	13	3,450	
2	6. Metal ...	2	1	3	800	.....	.....
12	7. Building materials	25	28	53	394	53	394	
448	8. Miscellaneous ...	118	189	307	27,511	307	27,511	
17	9. Fuel ...	32	64	96	1,111	96	1,111	
1 raft	10. Timber ...	3 c. ft.	.....	3 c. ft.	9	3 c. ft.	9	
7 rafts	11. Bamboos ...	675 „	.....	675 „	67	675 „	67	
638 & 8 rafts	12. Total ...	1,126 & 678 c. ft.	489	1,615 ½ 678 c. ft.	75,336	1,612 ½ 678 c. ft.	74,536	
689	13. Total of same month last year ...	.....	.....	1,210	50,139	1,210	50,139	
14. Total number of boats plying cargo ...	No.	344	294	638	Total tollage of month—24+25+26 ...		Rs. A. P. 1,518 6	
15. Total number of boats plying passenger ...	No.	34	42	76	Total tollage of same month last year ...		Rs. A. P. 1,190 12	
15a. Ditto ditto Empty „	„	18	16	34	Memorandum of Tollage.			
16. Total registered tonnage, cargo ...	.....	2,406	1,532	3,938				
17. Total registered tonnage, passenger ...	.....	192	223	415				
17a. Ditto ditto Empty No.	No.	3,997	1,792	5,789				
18. Ton mileage ...	.....	52,831	34,228	87,059	1. Balance not recovered on the 1st of the month ...			Rs. A. P. 768 6
19. Estimated value of cargo Rs.	Rs.	33,869	41,391	75,260	2. Tollage per month ...			Rs. A. P. 1,518 6
20. Number of passengers ...	.....	243	340	583	3. Total ...			Rs. A. P. 2,286 12
21. Rafts, bamboos... c ft.	c ft.	675	.....	675	4. Amount paid into treasury during the month ...			Rs. A. P. 1,758 11
22. Do., bullahs ... „	„	3	.....	3	5. Balance due at the end of the month ...			Rs. A. P. 528 1
23. Estimated value of rafts Rs.	Rs.	76	.....	76				
24. Tollage on boats Rs.	Rs.	854-8-0	553-11-3	1,408-3-3				
25. Compounded tollage on boats Rs.	Rs.	54-0-0	53-12-0	107-12-0				
26. Tollage on rafts „	„	2-7-6	.....	2-7-6				
27. Total tollage on boats per ton-mile ...	.....	.....	.....	0-0-3				
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	.....	0-5-9				

CALCUTTA,
The 11th January 1887.

R. B. BUCKLEY,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 8th January 1887,
compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 8TH JANUARY 1887.			WEEK ENDING SATURDAY, THE 9TH JANUARY 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	1,691	1,96,660	3,365	1,659	2,34,773	3,724
Jute ...	137	82,010	1,469	136	1,09,650	1,676
Firewood ...	114	61,700	1,397	145	75,900	1,067
Other articles ...	982	2,43,815	3,553	1,147	2,46,295	3,697
Total ..	2,924	5,84,185	9,784	3,087	6,66,618	10,164

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for last 13 days of December 1886, on 1,515 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	361,963	4,28,915 11 0	50,47,933 30	12,50,439 14 5	34,338 5 9	17,13,723 15 2	121,670 1	192,334 4	313,993 5
Or per mile of railway ...	...	283 1 10	...	825 6 3	22 10 8	1,131 2 9	...	...	...
For previous 24 weeks of half-year ...	5,485,867	63,61,761 14 0	5,43,19,821 0	1,31,30,880 5 5	4,01,265 2 8	1,93,93,907 6 1	1,643,977	2,250,383 1	3,897,060
Total for 26 weeks ...	5,847,830	67,90,677 9 0	5,93,67,754 30	1,45,8,350 10	4,35,603 8 5	2,16,07,631 6 3	1,768,647 1	2,443,307	4,211,954
COMPARISON.									
Total for corresponding period of previous year ...	318,386 1	4,06,752 10 0	30,06,101 30	9,50,732 12 6	49,869 2 1	13,16,616 4 5	109,273 1	157,873 1	267,14
Per mile of railway corresponding period of previous year ...	...	268 7 9	...	633 7 9	32 14 8	869 0 10	...	...	...
Total to corresponding date of previous year ...	5,356,792 1	62,55,337 12 8	5,91,28,766 20	1,49,15,824 5 10	3,93,111 8 10	2,15,61,273 9 4	1,710,458 1	2,725,196 1	4,435,654

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1st APRIL 1885 TO 31st DECEMBER 1885.			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 31st DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
1,515	Rs. 13,16,616	869	1,515	Rs. 17,13,724	1,131	1,515	Rs. 3,44,01,904	2270 8	1,515	Rs. 2,43,22,053	22,701	Rs.	Rs. 9,831

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	21,651	11,827 11 0	97,910 0	6,185 8 0	52 3 9	18,065 6 9	3,146	1,300	4,446
Or per mile of railway ...	379	206 12 5	1,711 30	108 2 3	0 14 7	315 13 3	...	...	...
For previous 24 weeks of half-year ...	341,474*	*1,91,039 11 0	*10,50,571 0	*65,266 11 0	*1,348 5 0	2,57,654 11 0	43,161	18,254	61,415
Total for 26 weeks ...	363,125	2,02,867 6 0	11,18,481 0	71,452 3 0	1,400 8 9	275,720 1 9	46,307	10,554	65,861
COMPARISON.									
Total for corresponding period of previous year ...	20,169	11,291 2 6	42,335 0	3,154 3 0	522 8 9	14,967 14 3	3,297	807	4,104
Per mile of railway corresponding period of previous year ...	351 1	197 6 4	740 10	55 2 4	9 2 2	261 10 10	...	...	...
Total to corresponding date of previous year ...	3,8,437	1,76,297 0 5	11,52,454 20	108,447 10 0	12,142 4 8	2,46,799 15 1	45,671	21,273	66,944

* Added No. of passengers 446 and deducted Rs. 441 0 0 on account of difference between Approximate and Audited returns to week ended 27th November 1885.
 Ditto " Mds. 15,802-30 and " 578 0 0 on account of difference between Approximate and Audited returns to week ended 27th November 1885.
 Ditto " 5,900 and " 19 14 0 on account of supplemental return to quarter ended 30th September 1885.
 Ditto to other earnings " 496 5 0 on account of difference between Approximate and Audited returns to week ended 27th November 1885.
 Deducted from other earnings " 36 14 6 on account of difference between Approximate and Audited returns to week ended 27th November 1885.
 † Added Rs. 4 3 0 to merchandise } on account of supplemental return to quarter ended 30th September 1885.
 Ditto " 471 4 6 to other earnings }

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1st APRIL 1885 TO 31st DECEMBER 1885.			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 31st DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
57½	Rs. 14,065	262	57½	Rs. 18,065	316	57½	Rs. 3,70,195	6,472	57½	Rs. 14,024 12	7,035	Rs. 32,217	Rs. 4

* Added Rs. 475 on account of supplemental return to quarter ended 30th September 1885.
 † Ditto " 544 on account of difference between Approximate and Audited returns to week ended 27th November 1885.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	4,474	758 4 0	32,937 39	771 12 0	19 14 6	1,549 14 6	630½	286	916½
Or per mile of railway ...	.....	63 3 0	.....	64 5 0	1 10 7	129 2 7	.....	.....	.....
For previous 24 weeks of half-year ...	62,081*	10,540 0 0*	2,55,272 0*	5,722 8 0*	219 0 9*	16,491 1 9	9,231½	3,238	12,469½
Total for 26 weeks ...	66,555	11,307 13 0	2,88,209 30	6,494 4 0	238 15 3	18,041 0 3	9,862	3,524	13,386
COMPARISON.									
Total for corresponding period of previous year ...	3,474	665 2 8	22,399 20	525 13 0	38 0 9	1,230 0 5	213	351	564
Per mile of railway corresponding period of previous year ...	.....	55 8 2	.....	43 13 1	3 2 0	102 8 0	.....	.....	.....
Total to corresponding date of previous year ...	57,899	9,892 10 8	3,12,208 19†	7,549 4 4†	663 0 9†	18,104 15 9	5,431	3,309	8,740

* Added number of passengers 440 and Rs. 103 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886.
 † Deducted Mds. 248 and Rs. 2 15 0 on account of supplemental return to quarter ended 30th September 1886.
 ‡ Do. to other earnings " 0 8 0 on account of difference between approximate and audited returns to week ended 27th November 1886.
 § Do. to ditto " 2 0 0 on account of supplemental return to quarter ended 30th September 1886.
 ¶ Deducted Mds. 402-20 and Rs. 13 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886.
 †† Ditto ditto " 42 1 0 from merchandise " 1 0 0 from other earnings " on account of supplemental return to quarter ended 30th September 1886.

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
12	1,230	103	12	1,550	129	12	34,286*	2,857	12	35,916†	2,943	1,030	.....

* Deducted Rs. 43 on account of supplemental return to quarter ended 30th September 1885.
 † Added " 116 on account of difference between approximate and audited returns to week ended 27th November 1886.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	9,444	7,089 6 0	1,91,951 0	7,992 9 0	190 12 3	15,273 11 3	1,335½	2 130½	3,465½
Or per mile of railway ...	.....	106 13 8	.....	104 12 5	2 8 10	204 2 11	.....	.....	.....
For previous 24 weeks of half-year ...	123,775*	92,909 13 0*	21,95,189 20*	76,652 15 9*	2,740 14 6*	1,72,303 11 3	17,319½	26,307½	43,627½
Total for 26 weeks ...	133,219	99,990 3 0	23,87,140 20	84,645 8 9	2,931 10 9	1,87,576 6 6	18,653	28,438	47,093
COMPARISON.									
Total for corresponding period of previous year ...	7,931½	6,237 14 10	1,56,763 20	4,242 19 0	- 998 1 7	9,482 7 3	2,671	1,841	4,512
Per mile of railway corresponding period of previous year ...	.....	83 6 4	.....	56 11 6	-13 5 6	126 12 4	.....	.....	.....
Total to corresponding date of previous year ...	135,795½	1,06,234 0 10	21,03,681 10†	64,924 0 3†	3,029 0 9†	1,74,187 1 10	39,202	28,699	67,901

* Deducted number of passengers 185 and Rs. 439 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886.
 † Added Mds. 67,390-0 and Rs. 631 9 0 on account of supplemental return to quarter ended 30th September 1886.
 ‡ Deducted " 2,766-0 and Rs. 11 1 0 on account of difference between approximate and audited returns to week ended 27th November 1886.
 § Added to other earnings " 248 14 0 on account of supplemental return to quarter ended 30th September 1886.
 ¶ Do. to ditto " 182 13 6 on account of difference between approximate and audited returns to week ended 27th November 1886.
 †† Deducted Mds. 10-30 and Rs. 6 9 0 from merchandise " 147 14 9 to other earnings " on account of supplemental return to quarter ended 30th September 1886.

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
74½	9,482	127	74½	15,273	204	74½	2,65,828*	3,554	74½	2,83,836†	3,795	18,028	.....

* Added Rs. 141 on account of supplemental return to quarter ended 30th September 1885.
 † Do. " 633 on account of difference between approximate and audited returns to week ended 27th November 1886.

TARKESWAR BRANCH RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period	26,058	6,744 1 0	8,877 10	299 7 0	13 3 3	7,056 11 3	1,733	65	1,798
Or per mile of railway	.....	303 1 8	.....	13 7 4	0 9 6	317 2 6	.....	.....	.....
For previous 24 weeks of half-year	377,555*	94,321 2 0*	82,476 0*	3,097 3 0*	157 1 0*	97,575 6 0	23,167	612	23,779
Total for 26 weeks	403,613	1,01,065 3 0	91,353 10	3,396 10 0	170 4 3	1,04,632 1 3	24,900	677	25,577
COMPARISON.									
Total for corresponding period of previous year	23,396†	6,257 15 5	8,135 30	326 0 0	9 13 9	6,593 13 2	1,845	69	1,914
Per mile of railway corresponding period of previous year	.....	281 4 2	.....	14 10 5	0 7 1	296 5 8	.....	.....	.....
Total to corresponding date of previous year	400,228†	1,01,412 13 2	2,03,073 10†	8,220 9 0†	110 10 9†	1,09,744 0 11	26,558	7,365	33,923

* Added number of passengers 1,793 and Rs. 890 0 0 on account of difference between approximate and audited returns to week ending 27th November 1886.
 Do. mds. 179-10 and .. 6 0 0
 Do. to other earnings .. 24 11 9
 † Do. mds. 572-10 and .. 21 13 0 to merchandise } on account of supplemental return to quarter ended 30th September 1885.
 Do. .. 1 0 0 to other earnings }

Approximate Statement of gross receipts of the Tarkeswar Branch Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.		TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.		Total increase in 1886.		Total decrease in 1886.	
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.			
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.			Rs.
22½	6,594	296	22½	7,057	317	22½	1,82,503*	22½	1,79,090†	8,049	.....		3,413

* Added Rs. 23 0 0 on account of supplemental return to quarter ended 30th September 1885.
 † Do. .. 891 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886.

INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	3,867	1,861 14 6	93,224 20	6,423 9 0	49 10 0	8,335 1 6	416	928	1,344
Or per mile of railway	.....	44 5 3	.....	152 15 1	1 2 11	193 7 3	.....	.....	.....
For previous 24 weeks of half-year	59,135*	25,488 11 9*	4,04,094 0*	32,778 5 0*	666 10 6*	58,933 11 3	7,430	8,548	15,978
Total for 26 weeks	63,002	27,350 10 3	4,37,318 20	39,201 14 0	716 4 6	67,268 12 9	7,846	9,476	17,322

* Deducted number of passengers 41 and Rs. 75 0 0 on account of difference between approximate and audited returns to week ended 27th November 1886.
 mds. 4,895-20 and added .. 432 0 6
 Added to merchandise .. 3 13 0 on account of supplemental return to quarter ended 30th September 1886.
 to other earnings .. 0 8 0
 Deducted from .. 4 15 0 on account of difference between approximate and audited returns to week ended 27th November 1886.

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.		TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.		Total increase in 1886.		Total decrease in 1886.	
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.			
				Rs.	Rs.				Rs.	Rs.			
.....	42	8,335	198	.....	.....	42	93,699*	2,231	.....		.....

* Added Rs. 376 on account of difference between approximate and audited returns to week ended 27th November 1886.

EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 234 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated) including steam boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	146,500	78,178 0 0	7,29,000 0	1,01,550 0 0	43,383 0 0	2,23,111 0 0	21,798	21,982	43,780
Or per mile of railway ...	626	334 0 0	3,077 0	434 0 0	.....	768 0 0	.....	.....	.....
For previous 24 weeks of half-year ...	2,069,144	8,30,525 0 0	95,09,813 0	16,97,433 0 0	1,13,562 0 0	26,41,520 0 0*	282,510	278,063	560,573
Total for half-year or 26 weeks ...	2,215,644	9,08,703 0 0	1,02,29,813 0	17,98,983 0 0	1,56,945 0 0	28,64,031 0 0	304,398	300,045	604,353
COMPARISON.									
Total for corresponding week of previous year, 12 days including supply ...	123,653	63,412 0 0	9,29,055 0	95,451 0 0	53,364 0 0	2,12,227 0 0	20,199	28,071	48,270
Per mile of railway corresponding period of previous year	531	272 0 0	3,987 0	410 0 0	.....	682 0 0	.....	.....	.....
Total to corresponding date of previous year (a) ...	2,151,084	8,60,283 0 0	93,44,381 0	12,99,042 0 0	1,51,195 0 0	22,50,520 0 0	285,661	268,774	554,435

* Audited up to week ending 20th November 1886.
(a) Corrected to agree with Revenue Accounts.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
233	2,12,227	911	234	2,23,111	953	233	33,65,502	14,446	234	39,98,297*	17,087	6,32,495	.....

* Audited up to week ending 20th November 1886.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended last 13 days of December 1886, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	33,047	17,026 0 0	46,980 0	2,443 0 0	21,063 0 0	41,132 0 0	7,011	2,639	9,650
Or per mile of railway ...	264	141 0 0	376 0	20 0 0	.....	161 0 0	.....	.....	.....
For previous 24 weeks of half-year ...	561,592	1,89,831 0 0	4,75,764 0	35,971 0 0	617 0 0	2,26,412 0 0*	96,474	28,460	124,934
Total for half-year ...	594,639	2,07,457 0 0	5,22,744 0	38,414 0 0	21,680 0 0	2,67,551 0 0	103,485	31,099	134,384
COMPARISON.									
Total for corresponding week of previous year	32,559	15,081 0 0	41,957 0	2,137 0 0	21,806 0 0	39,624 0 0	5,374	1,630	7,004
Per mile of railway corresponding period of previous year	260	126 0 0	336 0	17 0 0	.....	143 0 0	.....	.....	.....
Total to corresponding date of previous year ...	545,313†	1,87,591 0 0	4,95,932 0	26,499 0 0	23,686 0 0	2,37,776 0 0	95,461	21,223	116,684‡

* Audited up to week ending 20th November 1886.
† Corrected to agree with the Revenue Account.
‡ Exclusive of 5,677 miles for ballast trains.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
125	39,624	317	125	41,132	329	125	3,98,683	3,184	125	4,43,107*	3,545	45,069	.....

* Audited up to week ending 20th November 1886.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,339	8,921 0 0	55,076 0†	4,540 0 0†	1,100 0 0	14,561 0 0	3,987	4,473	8,460
Or per mile of railway ...	271	104 0 0	640 0	53 0 0	...	157 0 0	...	...	...
For previous 14 weeks of half-year ...	250,193	82,268 0 0	6,18,922 0	20,305 0 0	6,445 0 0	1,15,018 0 0†	42,409	19,225	61,724
Total for half-year ...	273,532	91,189 0 0	6,73,992 0	30,845 0 0	7,545 0 0	1,29,579 0 0	46,496	23,698	70,194
COMPARISON.									
Total for corresponding week of previous year (audited) ...	12,673	2,594 0 0	76,517 0	3,840 0 0	1,829 0 0	7,773 0 0	1,088	2,519	3,607
Per mile of railway corresponding period of previous year ...	147	30 0 0	890 0	45 0 0	...	75 0 0	...	...	...
Total to corresponding date of previous year ...	131,900*	22,761 0 0	2,69,995 0	21,810 0 0	7,054 0 0	51,161 0 0	12,540	21,509	34,049

* Corrected to agree with Revenue Accounts.

† Includes 25,004 mands and Rs. 1,000 for ballast train earnings.

‡ Audited up to week ending 20th November 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
86	7,773	90	86	14,561	169	61	75,600*	32	86	1,95,986†	58	1,20,377	...

* Audited up to week ending 30th November 1886.

† Corrected to agree with Revenue Accounts up to 31st December 1885.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 13 days ...	3,882	1,362 1 1	29,809 0	1,434 7 0	25 12 0	2,822 4 1	945	472	1,417
Or per mile of railway ...	142	51 1 0	1,097 0	52 10 0	0 15 0	104 10 0	...	...	...
For previous 14 weeks of half-year ...	58,987	22,625 14 11	1,67,476 0	11,971 9 0	347 4 0	34,944 11 11	12,434	6,412	18,846
Total for the half-year ...	62,869	24,018 0 0	1,97,375 0	13,406 0 0	373 0 0	37,797 0 0	13,379	6,914	20,293
COMPARISON.									
Total for corresponding period of previous year ...	3,554	1,022 7 2	14,949 10	1,005 15 0	15 15 0	2,044 5 9	872	436	1,308
Per mile of railway corresponding week of previous year ...	130	55 14 0	538 0	36 15 0	0 9 0	93 6 0	...	...	...
Total to corresponding date of previous year ...	55,737*	22,505 3 4	2,14,650 39	16,533 5 0	510 1 5	39,568 9 9	13,378	8,308	21,746

* Includes figures for supplementary traffic return.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
27½	2,544	93	27½	2,832	105	27½	58,179	2,135	27½	62,132	2,250	3,963	...

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 246 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 13 days on 246 miles open ...	58,391	21,737 8 3	2,77,473 20	27,876 9 3	6,907 6 0	56,541 7 6	8,777	9,668	18,445
Or per mile of railway ...	237	88 7 0	1,128 0	113 5 0	3 11 0	205 7 0*	.....	.....	.....
For previous 24 weeks of half-year ...	812,947	2,86,796 7 9	28,57,893 20	2,89,932 6 9	78,660 10 0	6,55,389 8 6	127,829	163,365	231,194
Total for the half-year ...	871,338	3,08,554 0 0	31,35,367 0	3,17,809 0 0	85,568 0 0	7,11,931 0 0	136,606	113,033	249,639
COMPARISON.									
Total for corresponding period of previous year on 226 miles open ...	45,562	17,467 14 6	1,32,538 30	15,656 8 0	3,519 3 7	36,643 10 1	6,854	4,907	11,761
Per mile of railway corresponding week of previous year ...	202	77 5 0	586 0	69 4 0	1 15 0	148 8 0*	.....	.....	.....
Total to corresponding date of previous year ...	(a) 711,857½	2,58,696 3 6	24,46,168 10	2,55,788 13 3	6,318 15 6	5,83,804 0 3	113,936	93,523	207,459

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."
 (a) Includes figures of supplementary traffic return.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR THE LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR THE LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
16	Rs. 36,644	Rs. 162	246	Rs. 56,541	Rs. 230	226	Rs. 2,57,487	Rs. 4,237	246	Rs. 11,60,058	Rs. 4,716	Rs. 2,02,571	.....

KAUNIA AND DHURLLA STATE RAILWAY.

Approximate Return of Traffic for last 13 days of December 1886 on 37 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the last 13 days	3,386	1,257 0 0	11,502 0	605 0 6	2,641 0 0	4,503 0 0	481	481	962
Or per mile of railway ...	92	34 0 0	311 0	16 0 0	.....	50 0 0	13	13	26
For previous 25 weeks of half-year ...	42,948	18,506 0 0	94,741 0	5,787 0 0	30,459 0 0	54,752 0 0*	6,178	6,208	12,386
Total for 25 weeks ...	46,334	19,763 0 0	1,06,243 0	6,392 0 0	33,100 0 0	59,255 0 0	6,659	6,689	13,348
COMPARISON.									
Total for corresponding last 12 days of previous year ...	3,042	1,239 0 0	6,233 0	476 0 0	3,087 0 0	4,802 0 0	444	444	888
Per mile of railway corresponding period of previous year ...	82	33 0 0	168 0	13 0 0	.....	46 0 0	12	12	24
Total to corresponding date of previous year ...	40,026	18,616 0 0	62,296 0	4,775 0 0	34,772 0 0	58,163 0 0	6,739	6,739	13,478

* Audited up to week ending 27th November 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Kaunia and Dhurla State Railway.

RECEIPTS FOR LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR LAST 13 DAYS OF DECEMBER 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
37	Rs. 4,503	Rs. 120	37	Rs. 4,503	Rs. 122	37	Rs. 94,732	Rs. 66	37	Rs. 89,284*	Rs. 62	.....	Rs. 5,448

* Audited up to week ending 27th November 1886.

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the last 13 days of December 1886, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings inclusive steam-boats (estimated.)	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the last 13 days	35,604	27,019 0 0	3,00,000 0	(a) 60,350 0 0	13,400 0 0	1,00,760 0 0	9,490	16,545	26,035
Or per mile of railway	143	108 0 0	1,205 0	242 0 0	.....	350 0 0	38	66	104
For previous 25 weeks of half-year	466,212	3,36,696 0 0	35,43,060 0	8,06,169 0 0	1,33,858 0 0	12,76,717 0 0*	120,630	208,369	328,999
Total for 26 weeks	501,816	3,63,700 0 0	38,43,060 0	8,06,519 0 0	1,472,258 0 0	13,77,477 0 0	130,120	224,914	355,034
COMPARISON.									
Total for corresponding last 12 days of previous year	31,940	23,997 6 10	3,19,402 0	70,615 1 8	21,002 1 0	1,15,614 9 6	9,082	17,303	26,385
Per mile of railway corresponding period of previous year	128	96 6 0	1,283 0	283 9 6	.....	372 15 6	36	70	106
Total to corresponding date of previous year	459,503	3,42,416 6 2	28,66,043 0	7,10,123 1 5	1,28,390 11 6	11,80,930 3 1	125,330	211,123	336,453

* Audited up to week ending 27th November 1886.
(a) Includes Rs. 5,440 for hire of Ballast Trains.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Northern Bengal State Railway.

RECEIPTS FOR WEEK ENDING LAST 12 DAYS OF DECEMBER 1885.			RECEIPTS FOR WEEK ENDING LAST 13 DAYS OF DECEMBER 1886.			(39) TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST DECEMBER 1885.			(39) TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST DECEMBER 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
219	1,15,615	464	249	1,00,760*	405	249	16,66,858	172	249	19,00,817*	205	3,23,939	.....

* Audited up to week ending 27th November 1886.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 19, 1887.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 8th January 1887.

Present:

The HON. SIR RIVERS THOMPSON, K.C.S.I., Lieut. Govr. of Bengal, *President*.
 The HON. G. C. PAUL, C.S.I., *Advocate-General*.
 The HON. H. J. REYNOLDS, C.S.I.
 The HON. C. P. L. MACAULAY, C.S.I.
 The HON. T. T. ALLEN.
 The HON. H. L. HARRISON.
 The HON. MOULVIE ABDUL JUBBAR.
 The HON. LAIA BAN BEHARI KAPUR.
 The HON. G. IRVING.
 The HON. D. CRUICKSHANK.
 The HON. ANUNDO MOHUN BOSE.
 The HON. KALLY NATH MITTER.

SURVEY OF THE TOWN OF CALCUTTA.

THE HON. MR. REYNOLDS, in presenting the report of the Select Committee on the Bill to provide for a survey of the Town of Calcutta, said that the modifications which had been introduced into the Bill were explained in

some detail in the report of the Committee. The principal change which had been made was in the sections which provided for the procedure to be adopted in the case of boundary disputes. It was to be hoped that such disputes would not be numerous; but in the event of a dispute occurring, the Bill, as it originally stood, provided that the Superintendent of Survey should enquire into and decide them. It was intended that the survey should be carried out by a Superintendent of Survey—an officer of the professional Survey Department—and that he should be assisted by a civil officer of the standing of a Deputy Collector; and it was considered that the Assistant Superintendent would be the officer best qualified to decide all boundary disputes at the time they occurred, subject to an appeal either to the Board of Revenue, or to any other authority the Local Government might appoint. The only other point to which he need refer was as to the section relating to boundary marks. The provisions of the Bengal Survey Act V of 1875, regulating boundary marks, were somewhat elaborate and very stringent. The Superintendent had power to order the erection of temporary or permanent boundary marks, and he had power to instruct the zemindars, talukdars, and other landholders to keep up, maintain, or preserve those boundary marks, and he had power also to apportion the expense of erecting and maintaining those boundary marks among the proprietors and occupiers of lands. The Committee had only reproduced these provisions in section 18 of the Bill so far as to allow the Superintendent to erect either temporary or permanent boundary marks, and to allow him to require the occupier of land to maintain any temporary boundary marks which might be put up until the survey had been completed and finished. The Committee had not introduced any provision for the maintenance by owners or occupiers of land of permanent boundary marks. It appeared to them that in such a survey as this the Calcutta authorities should naturally and properly be charged with this duty, and not the owners or occupiers of land; and that the Government and the Municipality, according as those authorities were interested in the maintenance of those permanent boundaries, should be charged with the expense.

Then, in section 20, the Committee had introduced some small modifications. To allow only one month to elapse after the complete survey as the time during which the papers might be inspected was too short a period, and might inconvenience all parties interested; therefore the Committee had provided, following the principle adopted by the Municipal Commissioners in the valuation of the town, that when the survey of any portion of the town was completed, the maps and papers should be deposited in the office of the Commissioners; and they had also extended the period for examining the papers and lodging objections from one month to two months. He moved that the report of the Select Committee be taken into consideration in order to the settlement of the clauses of the Bill.

The motion was put and agreed to.

The HON. MR. HARRISON said that, as the Corporation of the Town of Calcutta was deeply interested in the subject of this Bill, he need make no apology for having carefully examined the provisions of the Bill in order to ascertain whether there was anything in it which seemed to require amendment for the convenience or in the interests of the people of the town. The result was the series of four amendments, of which he had given notice, only one of which touched any important question of principle; and as regards that particular amendment, he believed that the intention of the Bill and of his own amendment was identical; and if that was so, it was merely a question of wording.

The first amendment which he had to move was that in section 12 for "the Chairman of the Corporation, the arbitrator or one of the arbitrators," be substituted "the Chairman, Vice-Chairman, or Surveyor of the Corporation, one of the arbitrators, unless the parties agree to such officer being appointed sole arbitrator." He wished to add the Vice-Chairman or the Surveyor because in some cases that might be considered necessary in the interests of the Corporation, especially the inclusion of the Surveyor, who was the professional adviser of the Corporation in such matters. The meaning of the last portion of the amendment was this. The wording of the section as it stood in the Bill might be misunderstood. It was as follows:—

"Provided that, if it appears to the Assistant Superintendent that the Local Government or the Corporation of Calcutta is interested in any such dispute, he shall appoint, in the

former case, the Collector or Deputy Collector of Calcutta, and in the latter case, the Chairman of the Corporation, the arbitrator or one of the arbitrators."

This left it to the Assistant Superintendent to appoint the Collector of Calcutta, or the Chairman of the Corporation, the arbitrator or one of the arbitrators at his discretion. MR. HARRISON hardly thought it wise that this power should rest in the Assistant Superintendent of Survey, because it might deter some people from going to arbitration who might otherwise be glad to do so. The Chairman and Vice-Chairman and the Surveyor of the Corporation were interested on behalf of the Municipality, and might be said to be judges in their own cause; and it was not desirable that the parties should be placed in the position of possibly finding any of these authorities appointed sole arbitrator without their consent: they might be appointed one of the arbitrators, unless the parties agreed to a sole arbitrator, which, in some cases, the parties interested might be willing to do. His main object was that they should not be bound to this sole arbitration without their consent.

The HON. MR. REYNOLDS said he had no objection to the amendment. He would have been very glad to have had the assistance of his hon. friend in the Select Committee; but knowing how much his time was taken up with the multifarious duties he had to perform, he had not pressed him to join the Committee. With regard to what had been said as to appointing the Collector of Calcutta or the Chairman of the Corporation sole judge, he did not think the wording of the section, if properly understood, would justify that conclusion, because it really meant that, when the parties applied for arbitration, and nominated on their own behalf one or more arbitrators, in that event the Assistant Superintendent might appoint either the Collector or Deputy Collector, or the Chairman of the Corporation, arbitrator on the other side. It would only be with the assent of all the parties concerned that such officer could be appointed the sole arbitrator. As, however, the amendment which his hon. friend had proposed made that clear, MR. REYNOLDS was quite willing to accept it.

The HON. MR. ANUNDO MOHUN BOSE said, with regard to the latter part of the amendment, that the wording suggested would perhaps make the intention of the section clearer; but as to the first part of it, he thought it would be better that the Surveyor of the Corporation should be left out, and he suggested this omission in the amendment for the consideration of the Council. Reasons had been given in the Report of the Select Committee to show that the officer whose duty it would be to decide cases of disputed boundary should not be a professional gentleman, as it was considered that the decision of matters which were in the nature of judicial proceedings would be better left in the hands of a judicial officer instead of to a professional gentleman of the Survey Department. The same principle would apply to the case of the Surveyor to the Corporation, who was a professional gentleman. For the present Surveyor MR. ANUNDO MOHUN BOSE had the highest regard. He believed he was a Civil Engineer, and the reasons which had influenced the Select Committee to transfer all judicial investigations from the Superintendent to the Assistant Superintendent would apply fully in this case also. Then there was another fact, viz, that the Surveyor, if appointed an arbitrator, might very often have to sit in appeal on his own proceedings, because the boundaries would generally be laid down by the Corporation with the advice of the Surveyor himself. To place him in such a position would not be fair to the Surveyor. Therefore, he thought it would be better to include the Vice-Chairman in addition to only the Chairman as it stood in the section, but not to include the Surveyor.

The HON. MR. HARRISON said he was quite willing to leave the matter in the hands of the Council, but he thought the Surveyor was the officer whose experience particularly qualified him to act as arbitrator on behalf of the Corporation. He had charge of all the records, and much of his time was given to the consideration of this question of boundaries, and he was well acquainted with the rights of the Corporation. He was one of the officers who were specially mentioned in the section of the Municipal Act which selected certain officers for special privileges, and he was an officer appointed with the sanction of the Lieutenant-Governor and in some respects he would be a better officer to select than the Vice-Chairman. Looking to the standing of the officer, who was equal to a Deputy Collector, and was generally better paid,

MR. HARRISON thought there were good grounds for including him in this section.

The HON. MR. HARRISON'S amendment was then put to the vote and carried.

The HON. MR. HARRISON said he had an amendment to move in section 22, the object of which he would explain briefly. It embodied a question of principle which he was justified in saying the Hon. Member in charge of the Bill accepted and considered to be the principle of the present section, but MR. HARRISON doubted whether, as at present worded, it would effect its purpose. The question was this: It was important that the effect of the survey, after it had been completed, should be final. And it was more than important in the interests of the Corporation, who were paying a portion of the cost of the survey; because in the case of boundary disputes they could not at present appeal to the old survey with any advantage. The main object of the Corporation was to prevent small encroachments on the roads whenever an owner rebuilt his house or a portion of it. There were some streets in which such encroachments had been successfully made, and valuable portions of the public streets had thus been appropriated by private individuals. The whole of Calcutta was honeycombed with foundations, and sometimes it was impossible to say how they came there; and when houses were rebuilt the owners often pointed to foundations which encroached on the road, and claimed to set forward their houses on the line of those foundations. In some cases, perhaps, such claims were well founded; in other cases they were not. And therefore the main benefit of the survey would be that when the time for appeal had expired, the results of the survey should be final. The Corporation would be able to refer to the survey maps, and determine the boundaries according to those maps. His fear was that this section of the Bill, as it was at present worded, would not lead to that result, because it simply said that no suit should lie to set aside any demarcation of boundaries unless brought within one year from the notification published in the *Gazette* approving of the survey. But the demarcation of boundaries, it was expressly enjoined, should be simply a record of possession: it would simply demarcate the boundaries in the possession of the parties. It would be decided at the time of the survey that such and such lands were in the possession of such and such parties. A person, however, might admit the question of possession, but might claim that it did not correspond with his title; that he was in no way bound by the boundaries fixed by the survey; and that he had still a right to bring a suit, within the period of twelve years prescribed by the law of limitation, to alter the boundaries in accordance with what he might prove to be his right. Under these circumstances, MR. HARRISON submitted that the wording which he proposed in his amendment would set all disputes at rest. If, however, any better wording was suggested, he did not ask that the wording in his amendment should be followed. It should, however, be made quite clear that the boundaries fixed by the survey were the correct boundaries, unless the owner could show by a suit brought within one year that the boundaries so marked were not the true boundaries. With this object he moved that for section 22 the following be substituted:—

“The boundaries of any land or premises as demarcated under the above procedure shall be deemed to be the correct boundaries, unless a suit is brought within one year from the date of the notification mentioned in the last preceding section to set aside such demarcation.”

If the principle was admitted that the result of the survey was to be final, after the expiration of one year, as regards the question of title as well as the question of possession, MR. HARRISON asked the Council to say whether the section as now worded did clearly embody that principle or not.

The HON. BABU KALLY NATH MITTER said he was opposed to the amendment. Under the ordinary law of limitation a person had a period of twelve years to enforce his right of title to land by bringing a suit, and he did not see why that period should be curtailed to one year because there was to be a survey of the town. The Hon. Mover of the amendment knew that, when the last survey was made, the boundaries of many private lands were included in the streets of Calcutta, and if there was this provision, then, that the survey was to be a final settlement of boundaries unless objection was taken within one year, all those boundaries of

private lands would have become part and parcel of the streets, whereas they were in fact not part and parcel of them. Parties came forward afterwards to show that those portions of the streets were private lands, and that the surveyor who made the survey had made mistakes in putting them in as parts of the streets. As he understood the matter, Calcutta had changed to a great extent during the last few years, and therefore the survey made on the last occasion was not now a correct or complete survey of the town. Ditches had been filled up and converted into streets; new streets had been opened out where there were no streets before, and it was highly desirable that there should be a fresh survey to show what was the present state of the town. But he did not think it was intended that private interests were to be prejudiced. If a person had by the law of limitation twelve years to recover possession of his lands, he did not see why, by the mere fact of a fresh survey having become necessary, that right should be jeopardised.

The HON. MR. ANUNDO MOHUN BOSE said that he thought the Council ought not to accept the amendment of the hon. member, and for the reasons which had been pointed out by his hon. friend Babu Kally Nath Mitter. According to the present law, by virtue of Art. 14 of the Second Schedule to the Limitation Act, a suit could only be brought within one year to set aside an act or order by a Government Officer; and the section in the Bill embodied that general provision. But it had been held over and over again by the Courts that, though you might not bring a suit within twelve years so as to set aside an official act, yet virtually and practically the same suit might lie when it was framed so as to make it a suit for the recovery of possession. Therefore, under the present law, if a person had been improperly deprived of possession over premises, lands or buildings, he could come up within twelve years and assert his right, but he could not frame it as a suit to set aside the demarcation of boundaries by the Superintendent; and that was exactly the principle which had been embodied in the Bill and laid before the Council by the Select Committee. But it appeared that the object of the amendment was to carry this principle a great deal further, namely, that it should be held that the boundary line of the survey should be accepted as correct unless a suit was brought within a year. It was not for him to give any positive interpretation of those words; but it seemed to him that the effect of the proposed alteration in the language of the section, coupled with the speech of his hon'ble friend the mover of the amendment, might be to shew that it was the intention of the Legislature to alter the present law as to limitation. It was not desirable that under the cover of the present law for the survey of the town, and without any notice to the general public, they should encroach upon private rights, whatever might be the reason for proposing the change. He might further point out one thing. According to the amendment, the boundaries were to be accepted as correct unless a suit was brought within one year from the date of the notification approving of the survey. This would seem to imply that the presumption as to the correctness of the survey boundary was to cease when a suit was brought within the year. But he might ask what would happen if such a suit were to be instituted without resulting in a decision on the merits. There might be a nonsuit, or the case might be dismissed on the ground of some formal defect, and might or might not be followed by other suits. The presumption as to correctness having been once destroyed, the amendment did not proceed to provide for this state of affairs. For all these reasons he thought the amendment ought not to be adopted, and that the Council ought to leave the section exactly as it was.

The HON. MR. REYNOLDS said that the amendment, as interpreted by the speeches of the two Hon. Members, seemed to raise a double issue—one an issue of principle, and the other an issue which was merely verbal. He might say at once that his object in framing section 22, as it stood, was to secure the end which the Hon'ble Mr. Harrison intended to secure by his amendment. He understood under section 22 as it stood in the Bill, that any suit to set aside a demarcated boundary must be brought within one year, and that unless a suit was brought such demarcation would be final to prevent any subsequent question being raised in respect of those lands. But it appeared to him that this object was quite as well attained, possibly better, by the section as it stood in the Bill, than by the words of the amendment. He might say plainly that it was his intention to carry out that result; but he understood

there were some objections to this Council passing a law which would conflict with the wording of the Limitation Act, which was an Act passed by the Governor-General in Council. If that was the case, perhaps the Hon. the Advocate-General would explain the point. If the amendment were shown to be inadmissible on this ground, MR. REYNOLDS hoped that the Hon. Member would be willing to allow the section to stand in the Bill as it was.

The HON. THE ADVOCATE-GENERAL said that it seemed to him that the amendment in no way extended the operation of the Bill. The survey was based upon evidence of possession, and the boundaries mentioned in the Hon. Member's amendment would be arrived at in the same way, namely, upon evidence of possession. There was not a single word as to "title" in the Bill, but it was proposed to get rid of the question of title in an indirect manner. The question of title could not be set at rest by one year's limitation. The Bengal Council had no power to take away that right which every person had under the present law to bring a suit for recovering possession of his property within twelve years. The section which had been pointed out to him as possibly giving the Bengal Council that power was section 6 of the Limitation Act, which provided as follows:—"When, by any special or local law now or hereafter in force in British India, a period of limitation is specially prescribed for any suit, appeal or application, nothing herein contained shall affect or alter the period so prescribed." That section being read subject to section 42 of the Indian Councils' Act relates to Acts to be passed by the Governor-General in Council. Therefore the position he took up was this: *first*, that the amendment would not extend the operation of this Bill. Section 11 of the Bill provided that an appeal should lie to the Board of Revenue. When that tribunal disposed of the appeal, there was an end to all litigation under the Act, except so far as section 22 provided that a suit might be brought within one year. If the object of the amendment was to affect title to land, he said it would not affect the question of title at all by providing a limitation of one year, as this Council had not the power to do that.

The HON. MR. HARRISON said that he was justly entitled to congratulate himself that the hon. member in charge of the Bill had intended by the section in the Bill to produce the same result that the amendment before the Council had for its object, but it appeared that Hon. Members who opposed the amendment thought it would not achieve that result. Then the next questions were whether it was desirable that that result should be achieved, whether the words he suggested would achieve it, and whether it was within the competence of this Council. As to whether it was desirable, he thought that if it was not done the survey would be deprived of a very great part of its advantages. It was precisely the element of finality that would make the survey the greatest boon, and it was on that account so desirable to attach a special period of limitation for the decision of all questions in relation to the boundaries to be demarcated by the survey. In the old possessory action of Magistrates there was a fixed period of limitation of six months within which parties were bound to bring a suit to alter the decision of the Magistrate. Similarly, after a survey was made and the boundaries laid down, a certain period should be allowed to bring a suit to prove any inherent rights of title, but if such right was not exercised within the time so fixed, the boundaries so determined should not be subject to be contested when any person rebuilt his house and sought to encroach upon the public road. In the second place, the question was whether the amendment did carry out the intention. With all respect to the opinion of the learned Advocate-General, MR. HARRISON maintained that the amendment did effect that object so far as the municipality was concerned, because there was no question that, when the lands lying alongside the road were once finally demarcated, no one could thereafter claim any portion of the roadway. Therefore, if it could be said that the correct boundaries of the road and the lands adjoining it were correctly marked in the survey, then all the disputes which now occurred would virtually be at an end, as far as regards the rights of the public. No person could successfully claim that land was at one and the same time a part of a public road and a part of his private property. As regards the question of the competency of the Council to make such a provision of law, he must admit himself not to be able to contend against the opinion of the learned Advocate-General, if that was his

opinion; and he could only express his extreme regret that an opportunity like this should be lost simply from want of power in the Local Council to pass what seemed to him to be so valuable a provision. The great advantage which the Town would derive from the survey would be much diminished by the inability of the Council to make the decision as to boundaries final, and by leaving it open for ten or twelve years under the law of limitation for these boundary disputes to be brought forward in the way they were now done, which it was the object of the Corporation to settle once for all by this survey.

The HON. MR. MACALAY said that, with reference to the last point, and with the greatest deference for the opinion of the learned Advocate-General, he would ask him to consider carefully the wording of section 6 of the Limitation Act. A local law was a law applicable to a local area, and, under those circumstances, the expression "British India" could not be intended to mean the whole of British India; otherwise it would not be a local law. If the objection to this being a local law fell to the ground, the objection to a law of the Bengal Council applicable to Calcutta only also fell to the ground; and therefore this Council had power to pass either the section contained in the Bill, or the amendment now before the Council. While he was not in favour of the amendment, he thought the section in the Bill would have the desired effect.

The HON. MR. HARRISON, with reference to the opinion of the learned Advocate-General, then asked leave to withdraw the amendment.

HIS HONOUR THE PRESIDENT said that he thought, on the whole, this was the more sensible course to take. In this conflict between lawyers it was difficult for laymen exactly to understand the point. It seemed to him that if they looked upon the way in which section 22 had been drawn, it would be a very doubtful question whether the Assistant Superintendent's decision on evidence of possession and the appeal to the Board of Revenue on the possessory evidence, could be set aside by a Civil Court if brought after twelve months from such decision. If parties dispossessed came before a Civil Court and asked for redress, section 22 would seem to preclude them unless an action was brought within twelve months. The words were clear "that no suit should be entertained to set aside any demarcation of boundaries unless brought within one year after the date of the notification." It would be after all for the Courts to decide whether section 22 evaded the right of limitation for twelve years or not. It was therefore better to leave the section as it stood in the Bill.

The motion was then by leave withdrawn, and section 22 was agreed to.

The HON. MR. HARRISON moved the following amendment in section 24, viz., that at the end of section 24 (a), for "or" substitute "and by fixing a copy on some conspicuous part of the land or premises to which it relates, or." The object of the amendment, he said, was, if possible, to diminish the chance of a case being decided in the absence of the parties interested. In ordinary cases, no doubt, the parties would attend; but in some cases it would so evidently be the interest of one of the parties, if possible, to keep the other party in ignorance of what was being done, that special efforts might be made to prevent the other party, if out of Calcutta, from being made aware of the date fixed for the consideration of objections as to boundaries. The section provided that notice "should be served by delivering the same to the person to whom it is directed, or on failure of such service, by posting the same on some conspicuous part of the house in which the said person usually resides or holds his office, or carries on his business, or by delivering the same to an agent or servant of such person, or to a male adult member of his family." In all these alternative courses it might be so manipulated by persons interested, that the notice should not reach the person interested. It would be safer to add that in all these cases a copy of the notice must be affixed to some conspicuous part of the land or premises to which it relates. He did not think that would be considered superfluous as an additional precaution to prevent the notice escaping attention.

The motion was put and agreed to.

The HON. MR. HARRISON also moved the following amendment in the same section, viz., that in the proviso attached to the end of section 24, for "the survey made under this Act shall not," substitute "after the publication of the notification referred to in section 21 no survey made under this Act shall."

He said that, as this section was one of a little more importance, perhaps he should explain its intention and meaning. The proviso enacted that the

survey made under the Act should not be vitiated for any defect in the service of notice. But looking to section 6 of the Bill, which provided for cases in which the parties failed to appear after service of notice, it seemed hard to reconcile the two sections. The amendment he proposed was one which seemed to meet the object of the Bill, viz., finality in decisions, and was on the whole more equitable. Section 21 provided that, after all objections had been decided, the Lieutenant-Governor should signify his approval of the survey. That was a sort of wind-up of the survey, and left objectors to bring their suits within a year. If a person neglected his own interest so long that he waited till this final notice in the Gazette, and did not object that the notice never reached him, he might be fairly told that he was too late; and that would seem to meet all requirements. The amendment would not only harmonize this section with section 6, but would justify the rejection of all objections made after the approval of survey had been notified in the Gazette.

The motion was put and agreed to.

HIS HONOUR THE PRESIDENT remarked that, as the Bill had given rise to some discussion, he thought it would be better if its final passing into law was postponed till the next meeting of the Council.

The Council was then adjourned to Saturday, the 15th instant.

Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 15th January 1887.

Present:

The HON. SIR RIVERS THOMPSON, K.C.S.I., Lieut.-Govr. of Bengal, *President*.
 The HON. G. C. PAUL, C.I.E., *Advocate-General*.
 The HON. H. J. REYNOLDS, C.S.I.
 The HON. C. P. L. MACAULAY, C.I.E.
 The HON. T. T. ALLEN.
 The HON. H. L. HARRISON.
 The HON. ABDUL JUBBAR.
 The HON. G. IRVING.
 The HON. D. CRUICKSHANK.
 The HON. ANUNDO MOHUN BOSE.
 The HON. KALLY NATH MITTER.

SURVEY OF THE TOWN OF CALCUTTA.

THE HON. MR. REYNOLDS, in moving that the Bill to provide for a survey of the Town of Calcutta be passed, said—this Bill was very fully discussed at the last meeting of the Council, and as no further amendments have been put on the paper, I may assume that Hon. Members are satisfied with the Bill as it stands. I may also mention that it is a matter of some importance that this Bill should be passed without delay. Hon. Members are no doubt aware that the survey mentioned in the Bill has already been commenced, and the Officer in charge of the survey finds it necessary that he should be armed with the powers which this measure will confer upon him.

The motion was put and agreed to.

The Council was adjourned to Saturday, the 29th instant.

REVISED RULES FOR THE AWARD OF GOVERNMENT JUNIOR AND SENIOR SCHOLARSHIPS.

GENERAL DEPARTMENT—EDUCATION.

The 18th January 1887.

RESOLUTION.

READ—

Letter from the Director of Public Instruction, No. 7629, dated the 30th November 1886, submitting proposals for certain changes in the rules for the award of Government junior and senior scholarships.

The Lieutenant-Governor approves the following rules (in substitution for those now in force under Resolution dated 20th July 1882) for the award of junior and senior scholarships:—

JUNIOR SCHOLARSHIP RULES.

One hundred and fifty-two Government junior scholarships are awarded annually at the University Entrance examination to successful candidates educated at schools in Bengal.

2. The scholarships are of three grades—10 of the first grade carrying monthly stipends of Rs. 20, 47 of the second grade carrying monthly stipends of Rs. 15, and 95 of the third grade carrying monthly stipends of Rs. 10.

3. With the sanction of the Director of Public Instruction, a junior scholarship may be held at any one of the affiliated colleges in Bengal which the holder may select. A Government junior scholarship may also be held in the United Kingdom, subject to the conditions of good conduct and satisfactory progress. But a Government junior scholarship held in Bengal is not transferable to other provinces of India.

4. Each scholarship will, subject to good conduct, be tenable for two years, provided the holder is certified by the Principal of his College, at the end of the first year, to have made due progress in a collegiate course of instruction.

5. The holder of a junior scholarship in an institution not under the management of Government will be liable at any time to be examined by two persons appointed by the Director of Public Instruction, and approved by the Principal of the College to which he belongs; and on proof of unsatisfactory progress, to be deprived of his scholarship.

6. No candidate will be eligible who has not studied for the previous nine months, *i.e.*, the whole session, from July to March inclusive, in the school to which he belongs at the time of presenting himself at the Entrance examination, unless he has been transferred within that period with the sanction of the Circle Inspector.

7. The scholarships of the first grade will be awarded to the ten candidates who obtain the highest aggregate marks.

8. The scholarships of the second and third grades will, subject to future reconsideration, be allotted to the several Commissionerships in the following proportions:—

	Second grade.	Third grade.
Burdwan Division	6	12
Town of Calcutta	5	10
Presidency Division	7	13
Rajshahye Division	6	10
Dacca Division	6	12
Chittagong Division	2	6
Patna Division	6	12
Bhagulpore Division	3	9
Orissa Division	4	6
Chota Nagpore Division	2	5
Total	47	95

9. The Commissioner of the Division, in consultation with the Circle Inspector, will notify in the *Calcutta Gazette*, not later than the 1st September of each year, the number of junior scholarships to be allotted to each district at the ensuing April examination. This distribution should be confined to third grade scholarships, those of the second grade being awarded to the best students in the division without reference to districts. Scholarships not taken up in the district or division to which they are

assigned, may be awarded by the Director of Public Instruction at his discretion to deserving candidates from other divisions, special regard being had to the requirements of those parts of the country in which it is considered desirable to stimulate the demand for a collegiate education.

10. No candidate who cannot read and write with facility and correctness, one of the vernacular languages of Bengal, will be eligible for a junior scholarship.

11. The holders of scholarships in all Government colleges will be required to pay the usual monthly fees levied from other students, provided that no scholarship-holder shall be required to pay a higher fee than Rs. 10 per mensem.

SENIOR SCHOLARSHIP RULES.

Fifty* Government senior scholarships are offered annually for competition at the First Examination in Arts to candidates educated in any college in Bengal affiliated to the University of Calcutta.

2. These scholarships are of two grades—10 of the first grade carrying stipends of Rs. 25 per mensem, and forty† of the second grade carrying stipends of Rs. 20 per mensem.

3. With the sanction of the Director of Public Instruction, a senior scholarship may be held at any affiliated college in Bengal which may be selected by the holder, with the exception that scholarships allotted to Behar and Orissa are not tenable in Arts Colleges in Bengal. A Government senior scholarship may also be held in the United Kingdom, subject to the conditions of good conduct and satisfactory progress. But a Government senior scholarship in Bengal is not transferable to other provinces of India.

4. Each scholarship will, conditionally on good conduct, be tenable for two years, provided that the holder is certified at the end of the first year by the Principal of his College to have made due progress in a collegiate course of instruction.

5. Second-year students alone will be eligible for scholarships, *i.e.*, those students who have passed the Entrance examination two years before presenting themselves for the First Examination in Arts.

6. The ten scholarships of the first grade will be open to all affiliated institutions without distinction, and will be awarded to the candidates who obtain the highest total marks in all subjects.

7. The forty scholarships of the second grade will, subject to future reconsideration, be reserved for students at affiliated institutions in different parts of Bengal in the following proportions :—

				Number of scholarships.
Town of Calcutta	...	...	...	9
Presidency Division outside Calcutta	...	...	...	5
Burdwan Division	...	...	...	8
Rajshahye Division	...	...	...	3
Dacca and Chittagong Divisions	...	...	...	7
Patna and Bhagulpore Divisions	...	...	...	6
Orissa Division	...	...	...	2
Total				40

The scholarships will be awarded to the candidates from each tract who obtain the highest marks at the examination, and who do not gain scholarships of the first grade, provided that their names appear in the first or second division of the list of passed candidates. Scholarships may, however, be awarded in special cases to candidates from Behar or Orissa who fall below the second division.

8. From the allotment to the Presidency and Burdwan Divisions, one scholarship shall for the present be reserved for the candidate who obtains the highest marks from the Berhampore and Midnapore Colleges respectively, provided he passes in the first or second division, and does not gain a scholarship under rule 6 or 7.

9. The holders of senior scholarships in all Government colleges will be required to pay the usual monthly fees levied from other students.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Offg. Secy. to the Govt. of Bengal.

THE IRON WORKS AT BARÁKAR.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

GENERAL—ACCOUNTS.

Dated Calcutta, the 11th January 1887.

The following list of articles that can be manufactured at the Iron Works at Barákar is published for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secretary to the Government of Bengal,**P. W. Dept.**List of Articles that can be manufactured at the Iron Works at Barákar.*

Number of items.	NAMES OF ARTICLES.	Rate per cwt. at Barákar.			REMARKS.
		Rs.	A.	P.	
1	Pipes (socket), cast-iron ...	4	0	0	Faced joints and drilled bolt-holes.
2	Flange pipes, ditto ...	6	0	0	
3	Special piping (bends, tees, &c.) ...	from 7	0	0	
4	Cylinders ...	to 7	8	0	
5	Pillars and brackets ...	from 4	0	0	Per cwt.
6	Girders ...	to 7	8	0	
7	Chairs for rails ...	3	4	0	
8	D. O. sleepers (cast-iron parts), metre gauge ...	3	4	0	
9	D. O. sleepers (cast-iron parts), broad gauge ...	3	2	0	Per gate.
10	Road-rammers ...	5	8	0	
11	Railings ...	from 4	8	0	
12	Gates ...	to 8	0	0	
13	Monkeys ...	from 5	0	0	Per cwt.
14	Weights (cast-iron) ...	to 8	0	0	
15	Anvils ...	6	0	0	
16	Axle-boxes, cast-iron parts only ...	5	8	0	
17	Ditto ditto ditto ...	from 5	0	0	For metre gauge railways. For broad ditto.
18	Fire-bars for engines ...	to 7	0	0	
19	Trolly wheels, faced ...	from 6	0	0	
20	Ploughs (complete) ...	to 7	0	0	
21	Ditto (cast-iron parts only) ...	from 3	12	0	Per piece.
22	Hand water-lift ...	to 4	0	0	
23	Water-lift for bullock power ...	from 1	2	0	
24	Castings (cast-iron), of sorts ...	to 1	10	0	
		from 30	0	0	Ditto.
		" 90	0	0	
		" 3	8	0	
		to 20	0	0	

N.B.—Further particulars may be obtained from the Superintendent of the Iron Works at Barákar.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 15th January 1887.

No.	District and date of return.	Rainfall at Sodder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
BURDWAN DIV.	1 Burdwan. Jan. 15, '87	Nil	Weather—seasonable. Prospects of <i>rubbee</i> good. Price of rice 18 to 28 seers per rupee. Public health fair.
	Culna	0.18	
	Cutwa	0.49	
	Ranigunge	0.35	
	2 Bankoora, „ 15 „	0.20	Weather—less cold than usual. <i>Amun</i> harvest finished. <i>Rubbee</i> crops doing well. No change in prices. Public health good.
PRESIDENCY DIV.	3 Beerbhoom, „ 15 „	0.07	Weather—cloudy. Harvesting of <i>amun</i> nearly completed; sugarcane and <i>rubbee</i> crops doing well. Price of common rice 24 to 30½ seers per rupee. Cholera has abated. Public health generally good.
	4 Midnapore, „ 15 „	0.41	Weather—seasonable. Prospects of cold-weather crops fair. Public health normal.
	5 Hooghly, „ 15 „	Nil	Weather—cool. Reaping of <i>amun</i> is almost over; outturn good. <i>Rubbee</i> crops doing well. A few cases of cholera; public health otherwise good.
	Serampore	0.45	
	Howrah, „ 17 „	Nil	Weather—seasonable. State and prospects of crops favourable. Rice harvest continues.
<i>Central Districts.</i>			
PRESIDENCY DIV.	6 24-Pergah, Jan. 18, '87	Nil	Bright cold weather with heavy morning fogs. <i>Amun</i> harvest nearly over; outturn above the average. <i>Rubbee</i> crops doing well. <i>Kalai</i> all off the ground. Public health fair. Cholera, in anything like an epidemic form, has disappeared.
	7 Nuddes, „ 15 „	0.18	Weather—seasonable; sometimes cloudy. Prospects of <i>rubbee</i> favourable. Cholera has almost eased.
	Kushtea	0.38	
	Meherpore	0.05	
	Chudanga	0.27	
RAJSHAHY DIV.	8 Ranaghat	0.24	
	9 Khoolna, „ 15 „	0.08	Weather—seasonable. Prospects of winter crops good. <i>Amun</i> nearly harvested; outturn satisfactory. Public health good.
	Jessore, „ 15 „	0.11	Weather—seasonable. <i>Amun</i> harvesting still continues. Winter crops doing well in all sub-divisions, except in Bongong, where they are somewhat damaged by insects. Fever and cholera in places.
	Jhenidah	0.1	
	Magurah	0.8	
RAJSHAHY DIV.	10 Narail	0.35	
	Moorsshedabad	0.05	Weather—cool and cloudy. State and prospects of crops good.
	Jungipore	0.48	
	11 Dinagepore, Jan. 14, '87	Nil	Weather—overcast; rain in many places. In Thakurgaon very heavy rain with hail. Prospects of <i>rubbee</i> crops good. <i>Amun</i> and sugarcane now completely harvested. Rice 21 to 29 seers per rupee. A few cases of cholera reported; cattle-disease in Hemtabad.
	12 Rajshahye, „ 15 „	0.06	Weather—cool and cloudy. Harvesting of <i>amun</i> paddy nearly completed; outturn nearly full. Rain has benefited spring crops, and has also improved general health.
RAJSHAHY DIV.	Natore	0.95	
	Nowgong	0.74	
	13 Rungpore, „ 15 „	1.59	Weather—cold and cloudy. Tobacco and other winter crops injured by recent hail. Harvesting of <i>amun</i> finished. Sugarcane is being cut. Public health better than before.
	Gaibanda	0.60	
RAJSHAHY DIV.	14 Bogra, „ 15 „	0.07	Weather—very cold and occasionally cloudy. Land is being ploughed for jute, <i>aus</i> , and sugarcane. <i>Rubbee</i> crops doing well. Sporadic cholera reported from Dupchanchia, Sheriakandy and Bogra police stations.
	Sherpur	1.87	
	Noukhilla	0.45	
	15 Patna, „ 15 „	0.25	Weather—cool and pleasant. Crops excellent. Public health good.
	Serajgunge	0.53	
RAJSHAHY DIV.	16 Darjeeling, „ 15 „	0.23	Weather—cold and cloudy. Harvest prospects good. Public health good.
	17 Julpigore, „ 15 „	Nil	Weather—cold, foggy, and cloudy. <i>Haimants</i> paddy is being threshed with good outturn. New potatoes now coming to market. Prospects of tobacco, sugarcane and mustard fair. Public health good.
<i>Eastern Districts.</i>			
DACCA DIVISION.	18 Dacca, Jan. 15, '87	Nil	Weather—cool and foggy. Mustard is being gathered. Cutting of sugarcane going on. Winter crops thriving. Prospects continue favourable. Cholera decreasing in Munshigunge. Public health good.
	Manickgunge	0.5	
	Munshigunge	0.24	
	19 Farreedpore, „ 15 „	Nil	Weather—seasonable. State of <i>rubbee</i> crops fair. Paddy harvested. Public health good. Outbreak of cholera in some places in Madaripore sub-division.
	20 Backergunge, „ 14 „	Nil	Weather—seasonable. Harvesting of <i>amun</i> still going on. Fever of a severe type still prevails in parts of district. Sporadic cholera reported from various localities.
DACCA DIVISION.	21 Mymensingh, „ 14 „	0.34	Rain on 7th and 8th; weather now fine. Harvesting of winter rice finished. Prospects of crops good.
	Kishoregunge	0.67	
	Netrokona	0.23	
	Attia	0.59	
	22 Chittagong, Jan. 18, '87	Nil	Weather—seasonable. Harvesting of <i>amun</i> nearly completed. Winter crops doing well. Prices steady. Public health good.
CHITTAGONG DIV.	23 Noakhali, „ 14 „	1.28	Weather—seasonable. Reaping of <i>amun</i> still continues; good outturn expected. Rain has done much good to winter crops. Cholera reported from several places.
	Fenny	1.9	
	24 Tipperah, „ 13 „	0.84	Weather—cold and bright. Winter rice harvested. A good deal of cholera in north and west of district.
	Chandpore	0.79	
	Brahmanbariah	0.70	
CHITTAGONG DIV.	25 Chittagong Hill Tracts, „ 11 „	0.31	Weather—cloudy on 8th; cold throughout week. Mustard, tobacco and other cold-weather crops doing well.
	Hill Tipperah, „ 12 „	0.42	Weather—cold. Reaping of <i>amun</i> paddy nearly finished. Winter crops doing well. Public health good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIV.	26 Patna, Jan 15, '87	0.43	Weather—cloudy and cold. Rain of 14th expected to do much good to standing crops which are generally promising. Pea and <i>rahar</i> in pod in some places. Poppy and cotton look well. Public health generally good.
	27 Gya, " 15 "	0.79	Weather—cloudy. Sugarcane and <i>rubbee</i> crops good. Poppy has suffered from grubs, but prospects still good. Public health good.
	28 Shahabad, " 15 "	0.57	Weather—cool and cloudy; mornings occasionally foggy. Rain beneficial to <i>rubbee</i> crops; prospects fair. Caterpillars have appeared and poppy reported to be very backward. Rain and hail have done some damage to this crop. Public health generally fair. Prices stationary.
	Buxar " " "	0.20	
	Sasseram " " "	0.20	
	Bhabhua " " "	0.17	
	29 Darbhanga, " 15 "	0.23	Weather—latter part of week cloudy. Harvesting of paddy now over. Prospects of <i>rubbee</i> continue favourable. Rain, though light, has greatly benefited crops. Poppy and <i>rahar</i> in flower. Lands are being prepared for indigo. Prices stationary. Public health generally good.
BHAGLPOUR DIV.	30 Mozufferpore, " 15 "	0.44	Weather—mostly cloudy, with some rain; at time of report high wind from west. Prospects of most <i>rubbee</i> crops excellent. Poppy not quite so promising, owing to unsettled weather and caterpillars.
	Hajipur " " "	1.03	
	31 Saran, " 15 "	0.61	Weather—cloudy. Prospects of <i>rubbee</i> and poppy excellent. Harvesting of paddy continues; outturn favourable. Pressing of sugarcane going on. Lands are being prepared for indigo. Public health good.
	32 Chumparan, " 15 "	0.06	Weather—cool and cloudy with east wind. Prospects of <i>rubbee</i> and poppy continue favourable. Indigo fields are being prepared. Prices stationary. Public health fair.
	33 Monghyr, Jan. 15 "	0.53	Weather—cold and cloudy with high west wind. Prospects of <i>rubbee</i> and poppy crops continue favourable. Rain has been beneficial. Harvesting of rice nearly completed. Sporadic small-pox continues to be reported from Beguserai; otherwise public health generally good.
	Beguserai " " "	0.49	
	Jamui " " "	0.09	
	34 Bhagui pore, " 15 "	0.17	Weather—cloudy with slight rain. Rice harvest complete. Rain has done good to <i>rubbee</i> , but it is not everywhere coming on as well as expected. Public health good.
	35 Purneah, " 15 "	0.20	Weather—cool with high wind and sometimes cloudy. <i>Aghni</i> harvest above the average. Cold-weather crops doing well. Public health good.
	Kishengungo " " "	0.80	
ORISSA DIV.	Arrareah " " "	1.24	
	36 Maldah, " 15 "	0.09	Weather—generally fair and cool, but occasionally cloudy with slight showers. Winter rice is still being harvested in some parts with good outturn. <i>Rubbee</i> crops promising. Price of common rice 25 to 28 seers per rupee. Public health good.
	Chanchal " " "	0.07	
	Gazole " " "	0.19	
	37 Sonthal Pergah, " 15 "	Nil	Weather—seasonable with occasional clouds. Rice harvest now over; outturn reported to be a full 16-anna crop. <i>Rubbee</i> crops doing well. Prices stationary. General health fair.
	Deoghur " " "	0.34	
	Pakour " " "	0.13	
CHOTA NAGPORE.	Rajmahal " " "	0.09	
	Godda " " "	0.47	
	South-West Frontier Agency.		
38	Cuttack, Jan. 14 "	0.02	Weather—seasonable. Reaping of <i>sarad</i> rice still continues in many places; outturn generally good. <i>Rubbee</i> is being gathered. <i>Dalua</i> rice doing well. Price of rice slightly low. Public health generally good. Ordinary fever prevails in some places.
39	Pooree, " 13 "	Nil	Weather—seasonable. Harvesting of late <i>sarad</i> rice is still going on. <i>Dalua</i> crop thriving. Mustard is being gathered. Common rice 26 seers 12 chittacks in Sudder sub-division, and 27 seers 10 chittacks in Khurda sub-division. Public health good.
40	Balasore, " 14 "	Nil	Weather—getting warmer daily. Harvesting of paddy nearly over. Prospects of winter crops good. Fever and cholera reported from the interior.
CHOTA NAGPORE.			
South-West Frontier Agency.			
41	Hazaribagh, Jan. 14, '87	Nil	Weather—cloudy and wet during latter part of week. <i>Rubbee</i> prospects excellent. Caterpillars have attacked poppy crop; extent of damage not stated. Fever reported from Chatra and Giridih, and cattle-disease from some stations. Public health otherwise good.
42	Lohardugga, " 15 "	0.56	Weather—cool and cloudy with drizzling rain. Winter crops promising. Prices stationary. Public health good.
43	Palamow, " " "	0.75	
44	Singbhoom, " 14 "	0.13	Light rain during the week; weather cloudy still. No paddy on the ground. Sugarcane is being pressed. Oilseeds are being cut. Other cold-weather crops doing well. Cattle-disease continues in Kalkapore thana. General health good.
44	Manbhoom, " 15 "	0.37	Weather—cloudy at intervals with light showers. Paddy has been threshed. Winter crops good. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 18th January 1887.P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.														
			AIR PRESSURE.			WIND.		TEMPERATURE.									
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.	
ORISSA.	Pooree	Gopalpore	30.034	30.084	—	ENE	103	81.2	10th Jan.	64.9	14th Jan.	79.7	69.4	74.6	—	77	
		False Point	30.079	30.092	—0.024	NNE	137	80.4	8th & 12th Jan.	58.0	10th & 14th Jan.	79.4	59.4	69.4	+0.6	76	
	Cuttack	Cuttack*	30.013	30.096	—0.012	ESE	32	86.4	12th & 14th Jan.	60.8	14th Jan.	85.8	61.7	73.8	+2.4	75	
	Balasore	Balasore	30.062	30.123	—	Calm, NE	19.7	81.9	14th Jan.	51.5	14th Jan.	76.4	56.6	66.5	—	73	
	South-West Midnapore	Saugor Island	30.072	30.099	—0.018	ENE	158	79.2	8th Jan.	55.9	10th Jan.	79.7	58.7	67.7	+0.6	74	
SOUTH-WEST BENGAL.	South 24-Pergunnahs	Midnapore	29.955	30.113	—	N	63.1	83.3	8th Jan.	50.7	10th Jan.	79.0	56.5	67.8	—	70	
	24-Pergunnahs	Calcutta	30.083	30.105	—0.037	NNE	72	81.1	8th Jan.	51.3	10th Jan.	75.9	55.9	65.9	0	69	
	Howrah	Burdwan	30.014	30.118	—0.019	Calm	44.3	79.5	14th Jan.	49.5	10th Jan.	77.3	54.8	66.1	—0.1	68	
	Hooghly	Bankoora	29.774	—	—	Variable	8.4	79.1	13th & 14th Jan.	50.8	10th Jan.	76.0	56.0	66.0	—	67	
	Bankoora	Raneegunge	29.776	—	—	Variable	58.7	78.5	14th Jan.	51.2	10th Jan.	75.3	54.9	65.1	—	66	
	West Burdwan	Berhampore	30.036	30.106	—0.008	SW	73.8	76.1	14th Jan.	50.2	10th Jan.	74.0	54.3	64.2	—0.4	65	
	Moorsheadabad	Krishnagur	30.046	—	—	Variable	57.6	79.0	14th Jan.	46.7	10th Jan.	75.4	51.9	63.7	—	64	
	Nuddes	Jessore	30.078	30.113	+0.006	N	39.4	80.7	8th Jan.	48.4	10th Jan.	76.4	54.0	65.2	+0.8	63	
	Jessore	Chittagong	29.988	30.081	—0.013	NNE	51	82.6	14th Jan.	52.2	12th Jan.	78.5	56.1	67.3	+1.7	62	
	Khoolna	Chittagong Hill Tracts	Demagiri	—	—	—	Observations not received.										
EAST BENGAL.	Chittagong	Backergunge	30.079	30.083	—	N	66.6	79.8	8th Jan.	51.1	11th Jan.	74.4	50.1	65.3	—	61	
		Noakholly	30.040	30.085	—	NW	55.6	80.5	8th Jan.	48.7	11th Jan.	75.2	53.4	64.3	—	60	
	Furreedpore	Furreedpore	30.061	—	—	Northerly	48.4	73.3	8, 13 & 14 Jan.	47.8	11th Jan.	71.1	52.5	61.8	—	59	
	Dacca	Dacca	30.089	30.103	+0.009	Variable	69	80.6	14th Jan.	51.2	10th, 11th & 12th Jan.	75.9	54.8	65.4	+0.1	58	
	Tipperah	Comillah	30.031	30.088	—	NW	20.3	81.4	8th Jan.	49.1	11th Jan.	76.2	54.0	65.1	—	57	
	Mymensingh	Mymensingh	30.045	—	—	Calm	33	69.4	12th Jan.	41.1	10th Jan.	65.9	50.5	58.2	—	56	
	Bogra	Bogra	30.004	30.069	—	NE	37.9	75.3	14th Jan.	46.6	10th Jan.	72.8	51.5	62.2	—	55	
	Pubna	Serajgunge	30.043	30.091	—	N	41.8	76.2	14th Jan.	44.2	10th Jan.	72.9	50.1	61.3	—	54	
	Rajshahye	Rampore Beaulah	29.983	30.055	—	NW	82.8	77.2	8th Jan.	46.7	10th Jan.	73.9	50.3	62.1	—	53	
	Maldah	Maldah	30.014	—	—	NE	11.0	75.4	14th Jan.	48.9	10th Jan.	73.8	51.7	62.8	—	52	
NORTH BENGAL.	Dinapore	Dinapore	29.959	30.066	—	Variable	40	75.1	9th Jan.	42.4	10th & 13th Jan.	73.2	48.0	61.0	—	51	
	Rungpore	Rungpore	29.975	30.107	—	NE	53	74.6	14th Jan.	44.3	10th Jan.	70.7	51.2	61.0	—	50	
	Julpigoree	Julpigoree*	29.805	30.109	—	NE, SE	46.9	72.9	12th & 13th Jan.	47.9	11th Jan.	70.2	52.7	61.5	—	49	
	Cooch Behar	Darjeeling Hill Districts	Darjeeling	22.951	—	—1.15	Calm	118.1	42.1	14th Jan.	31.1	9th Jan.	40.3	32.9	36.7	—4.9	48
	Darjeeling Hill Districts	Purneah	29.983	30.116	—0.035	Calm	21.4	72.2	9th & 13th Jan.	42.9	10th Jan.	70.1	50.5	60.3	—1.3	47	
	Purneah	Mozufferpore	—	—	—	Observations suspended.											
	North Bhagulpore	Durbhunga	29.958	30.116	—0.027	WSW	59	72.6	13th Jan.	47.8	10th Jan.	71.8	54.3	62.8	+1.1	46	
	Mozufferpore	Motihari	29.859	30.100	—	Variable	126.3	73.6	13th Jan.	48.6	9th Jan.	70.4	50.2	60.3	—	45	
	Durbhunga	Chupra	29.853	—	—	SE	121.8*	76.0	8th Jan.	46.2	10th Jan.	72.7	51.6	62.2	—	44	
	Chupra	Dehree	29.740	30.115	—	SSW	115.6	74.6	13th Jan.	47.5	11th Jan.	71.0	53.8	62.4	—	43	
SOUTH BENGAL.	Shahabad	Buxar	29.853	30.110	—	ESE	115.4	77.4	13th Jan.	45.9	10th Jan.	72.2	52.3	62.3	—	42	
		Arrah	29.858	30.097	—	SE	34.2	74.3	13th Jan.	44.9	9th & 10th Jan.	71.2	51.1	61.2	—	41	
	Gya	Gya	29.708	30.095	—0.033	Northerly	59.8	75.7	14th Jan.	49.5	10th Jan.	73.2	54.0	63.6	+1.2	40	
	Patna	Bankipore	29.629	30.123	—0.017	W	51.2	72.3	11th & 13th Jan.	44.9	10th Jan.	71.1	52.2	61.6	+1.6	39	
	South Bhagulpore	Bhagulpore	29.928	30.098	—	W	54	72.9	13th Jan.	45.0	10th Jan.	71.3	52.1	61.7	—	38	
	Monghyr	Doomka	29.580	—	—	Calm	15.6	76.5	13th Jan.	46.9	10th Jan.	73.6	52.3	63.0	—	37	
	South 24-Pergunnahs	Hazaribagh	28.636	30.124	+0.065	Variable	145.8	76.4	13th Jan.	45.6	9th Jan.	68.8	51.6	60.2	—0.7	36	
	Hazaribagh	Ranchee	27.896	30.095	—	SW	118.3	73.0	13th Jan.	43.0	8th Jan.	71.2	51.3	61.2	—	35	
	Lohardugga	Chyebassa	26.301	—	—	Variable	28.5	81.7	13th Jan.	56.1	10th Jan.	79.2	56.1	67.7	—	34	
	Manbhoom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33	
CHUTTA NAGPUR.	singhbhoom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32	

* Mean for six days.

Explanation. - Summary. - The normal means of air pressure and temperature are the arithmetical averages or means of the reading during the same period for the past years. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The normal means or average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the past years, the stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 14th January 1887.

DISTRICT OBSERVATIONS.															Representative station.	DISTRICT.	METEOROLOGICAL STATION.
No.	Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.									Average number of rainy days.	Normal number of rainy days.			
				Of week.		Since 1st of month.			Since 15th May 1886.								
				Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
72	24	0.20	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	ORISSA.	
67	21	0.10	0.03	0.03	0.03	0.06	—0.03	61.21	55.70	+5.51	0.3	0.1	False Point	...	Pooree		...
61	23	—	0.09	0.06	0.09	0.09	0	63.72	51.50	+12.22	0.6	0.2	Cuttack	...	Cuttack		...
60	0	—	0.07	0.06	0.12	0.15	—0.03	57.56	53.59	+3.97	0.3	0.2	Balasore	...	Balasore		...
67	1.1	0.09	0.24	0.11	0.24	0.17	+0.07	51.69	63.02	—11.33	0.7	0.2	Saugor Island	...	South-West Midnapore	...	
58	1.4	0.07	0.37	0.17	0.56	0.25	+0.31	46.38	51.78	—5.40	1.0	0.2	Midnapore	...	South 24-Pergunnahs	...	
64	1.4	1.26	0.55	0.10	0.67	0.21	+0.36	56.76	51.77	+4.99	0.8	0.2	Calcutta	...	24-Pergunnahs	...	
60	1.4	0.15	0.22	0.05	0.27	0.11	+0.16	52.33	46.17	+6.16	1.0	0.1	Burdwan	...	Howrah	...	
65	0.6	0.25	0.18	0.07	0.23	0.08	+0.15	52.59	52.03	+0.56	1.0	0.2	Bankoora	...	Hooghly	...	
56	0.7	0.53	0.06	0.14	0.53	0.22	+0.31	65.61	51.60	+14.01	0.5	0.2	Raneegunge	...	Burdwan	...	
75	1.4	0.32	0.08	0.16	0.54	0.22	+0.32	59.23	48.85	+10.38	0.7	0.2	Berhampore	...	West Burdwan	...	
57	1.9	0.17	0.29	0.05	0.23	0.13	+0.10	54.70	48.96	+5.74	0.8	0.1	Krishnaghar	...	Moorshedabad	...	
68	2.6	0.37	0.36	0.09	0.16	0.20	—0.04	58.51	53.35	+5.16	1.0	0.2	Jessore	...	Nuddea	...	
67	1.7	0.98	0.45	0.06	0.45	0.10	+0.35	127.34	113.43	+13.91	1.0	0.3	Chittagong	...	Jessore	...	
63	1.4	0.11	0.35	0.06	0.65	0.29	+0.36	75.57	77.83	—2.26	0.8	0.2	Demagiri	...	Khoolna	...	
55	1.1	1.28	1.59	0.09	1.59	0.36	+1.23	116.14	108.74	+7.40	2.0	0.2	Barrisal	...	Chittagong Hill Tracts	...	
63	1.3	0.20	0.97	0.09	0.16	0.15	+0.01	59.79	55.61	+3.98	0.7	0.2	Noakholly	...	Backergunge	...	
68	1.7	0.18	0.28	0.04	0.32	0.13	+0.19	76.27	58.30	+17.97	1.2	0.1	Furreedpore	...	Noakholly	...	
75	2.0	0.77	0.51	0.11	0.69	0.30	+0.39	70.92	70.74	+0.18	1.3	0.2	Dacca	...	Furreedpore	...	
60	3.3	—	0.22	0.09	0.36	0.17	+0.19	66.95	67.30	—0.35	1.0	0.2	Commillah	...	Dacca	...	
63	2.4	—	0.03	0.13	0.43	0.17	+0.26	65.59	56.14	+9.45	0.5	0.2	Mymensingh	...	Tipperah	...	
74	2.4	—	0.16	0.12	0.52	0.17	+0.35	58.84	53.39	+5.45	1.0	0.2	Bogra	...	Mymensingh	...	
65	1.0	0.07	0.23	0.17	0.63	0.32	+0.31	58.89	53.70	+5.19	0.5	0.2	Serajgunge	...	Bogra	...	
61	1.7	—	0.07	0.16	0.26	0.22	+0.04	61.53	53.36	+8.17	1.0	0.2	Rampore Beaulah	...	Pubna	...	
62	3.7	—	0.14	0.06	0.31	0.07	+0.24	72.62	53.35	+19.27	0.8	0.2	Maldah	...	Rajshahye	...	
74	1.6	1.44	1.04	0.09	1.08	0.11	+0.97	72.99	73.14	—0.15	1.3	0.1	Dinapore	...	Maldah	...	
76	4.3	—	0.18	0.04	0.18	0.05	+0.13	108.33	110.35	—2.02	1.0	0.1	Rungpore	...	Julpigoree	...	
90	5.4	0.22	0.63	0.07	0.63	0.12	+0.51	139.22	116.37	+22.85	2.0	0.4	Julpigoree	...	Cooch Behar	...	
70	4.3	0.20	0.55	0.08	0.55	0.13	+0.42	78.10	56.47	+21.63	1.6	0.4	Darjeeling	...	Darjeeling Hill Districts	...	
74	3.1	0.23	0.33	0.15	0.33	0.27	+0.06	61.43	41.79	+19.64	1.3	0.3	Purneah	...	Purneah	...	
68	5.3	0.06	0.63	0.24	0.63	0.29	—0.26	60.93	45.13	+15.80	1.0	0.4	Purneah	...	North Bhagulpore	...	
66	2.9	0.59	0.37	0.17	0.37	0.21	+0.16	61.55	41.19	+20.36	1.7	0.3	Mozufferpore	...	Mozufferpore	...	
67	2.1	0.45	—	—	—	—	—	—	—	—	—	—	Darbhunga	...	Darbhunga	...	
69	3.1	0.69	0.52	0.26	0.61	0.33	+0.29	55.40	39.09	+16.31	2.0	0.4	Motihari	...	Chumparun	...	
69	2.7	0.33	—	—	—	—	—	—	—	—	—	—	Chupra	...	Saran	...	
82	4.1	0.64	0.79	0.15	0.84	0.19	+0.65	65.07	39.74	+25.33	2.3	0.3	Dehree	...	Shahabad	...	
66	3.1	0.51	0.40	0.16	0.67	0.22	+0.45	59.81	40.09	+19.72	1.8	0.3	Buxar	...	Shahabad	...	
73	3.0	0.17	0.35	0.13	0.59	0.16	+0.43	59.01	41.78	+17.23	1.4	0.4	Arrah	...	Gya	...	
76	1.3	0.14	0.08	0.08	0.53	0.12	+0.41	70.26	48.76	+21.50	0.3	0.2	Gya	...	Gya	...	
84	4.4	0.74	0.59	0.06	1.22	0.10	+1.12	57.04	49.69	+7.35	2.0	0.2	Bankipore	...	Patna	...	
85	4.6	0.56	0.81	0.14	1.25	0.16	+1.09	49.36	40.98	+8.38	1.8	0.3	Bhagulpore	...	South Bhagulpore	...	
71	3.1	0.11	0.13	0.13	0.13	0.22	—0.09	43.65	51.57	—7.92	1.0	0.3	Bhagulpore	...	Monghyr	...	
																CHITTA NAGPUR.	

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.

The means of the district are the numerical averages of the rainfall return received in the district, i.e., from the total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 14th of January 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1886.	Average rainfall from 15th May 1886 to date.
			Saturday, 8th January.	Sunday, 9th January.	Monday, 10th January.	Tuesday, 11th January.	Wednesday, 12th January.	Thursday, 13th January.	Friday, 14th January.	Number of rainy days.	Rainfall week.				
ORISSA	Pooree	Pooree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	54'01	51'37
		Khuriah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'11	65'39	56'38
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'03	60'57	49'54
		False Point	.....	0'10	.....	.....	.....	.....	.....	1	0'10	0'10	0'12	57'51	64'74
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	66'03	?
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Cuttack	Jagatsingapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'08	63'56	51'40
		Banki	0'40	.....	.....	.....	.....	.....	.....	1	0'40	0'40	Nil	60'52	49'09
		Cuttack	0'02	.....	.....	.....	.....	.....	.....	1	0'02	0'02	0'03	72'72	53'34
		Kendrapara	0'01	.....	.....	.....	.....	.....	.....	1	0'01	0'01	0'11	54'36	51'40
		Jaipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'22	62'60	52'40
	Balasore	Dharmasalla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	62'38	?
		Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'13	54'21	53'88
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'08	56'04	51'20
		Sorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'05	57'37	51'20
SOUTH-WEST BENGAL.	Midnapore	Balasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'14	63'78	57'41
		Jellapore	0'25	.....	.....	.....	.....	.....	.....	1	0'25	0'25	0'34	61'39	51'81
		Baripoddah	0'15	.....	.....	.....	.....	.....	.....	1	0'15	0'46	0'20	53'58	50'28
		Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'15	41'53	53'25
		Saugor Island	.....	0'09	.....	.....	.....	.....	.....	1	0'09	0'09	0'16	61'07	67'16
	24-Pergunnahs	Tumlook	0'40	.....	.....	.....	.....	.....	.....	1	0'40	0'40	0'18	44'10	51'22
		Midnapore	0'41	.....	.....	.....	.....	.....	.....	1	0'41	0'72	0'24	43'71	49'21
		Ghattal	0'30	.....	.....	.....	.....	.....	.....	1	0'30	0'56	0'33	43'34	43'30
		Devog	0'57	.....	.....	.....	.....	.....	.....	1	0'57	0'57	?	39'56	?
		Bhaguanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	47'47	?
	Howrah	Garbeta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43'36	?
		Diamond Har-bour	0'64	.....	.....	.....	.....	.....	.....	1	0'64	0'64	0'20	51'57	58'50
		Canning Town	0'19	.....	.....	.....	.....	.....	.....	1	0'19	0'19	?	58'27	?
		Alipore Jail	1'28	.....	.....	.....	.....	.....	.....	1	1'28	1'28	0'37	58'45	55'01
		Barrackpore	0'48	.....	.....	.....	.....	.....	.....	1	0'48	0'48	0'16	54'51	49'01
	Hooghly	Dum-Dum	0'83	.....	.....	.....	.....	.....	.....	1	0'83	0'83	0'26	52'08	52'08
		Baraset	0'52	.....	.....	.....	.....	.....	.....	1	0'52	0'52	0'23	57'29	49'20
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'25	60'13	53'45
		Howrah	0'75	.....	.....	.....	.....	.....	.....	1	0'75	0'75	0'24	51'30	51'30
		Moherika (Ooloberiah.)	0'80	.....	.....	.....	.....	.....	.....	1	0'80	0'80	0'32	54'42	52'40
	Burdwan	Hooghly	0'45	.....	.....	.....	.....	.....	.....	1	0'45	0'45	0'15	57'08	50'25
		Jehanabad	0'35	.....	.....	.....	.....	.....	.....	1	0'35	0'35	0'09	55'50	49'30
		Cuina	0'18	.....	.....	.....	.....	.....	.....	Nil	Nil	0'20	0'09	61'40	54'40
		Burdwan	0'07	.....	.....	.....	.....	.....	.....	1	0'07	0'15	0'03	56'77	47'30
		Cutwa	0'41	.....	.....	.....	.....	.....	.....	1	0'41	0'40	0'20	48'40	47'30
	Bankoora	Raneegunge	0'18	.....	.....	.....	.....	.....	.....	1	0'18	0'53	0'13	66'09	48'00
		Mankur	0'13	.....	.....	.....	.....	.....	.....	1	0'13	0'35	?	52'35	?
		Bankoora	0'20	.....	.....	.....	.....	.....	.....	1	0'20	0'23	0'06	51'50	51'25
		Bishempore	0'08	.....	.....	.....	.....	.....	.....	1	0'08	0'11	0'07	50'34	50'00
		Maliara	0'32	.....	.....	.....	.....	.....	.....	1	0'32	0'32	0'03	57'57	48'30
	Beerbhoom	Khatra	0'11	.....	.....	.....	.....	.....	.....	1	0'11	0'21	0'15	50'75	57'40
		Indas	0'12	.....	.....	.....	.....	.....	.....	1	0'12	0'12	?	48'40	?
		Kotalpore	0'26	.....	.....	.....	.....	.....	.....	1	0'26	0'26	?	43'62	?
		Anda	0'40	.....	.....	.....	.....	.....	.....	1	0'40	0'40	?	38'80	?
		Gangajalghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'20	?	55'99	?
	Nuddea	Raipore	0'02	.....	.....	.....	.....	.....	.....	1	0'02	0'02	?	55'78	?
		Sonamukhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'30	?	38'99	?
		Bh. Soory	0'07	.....	.....	.....	.....	.....	.....	1	0'07	0'62	0'21	67'16	53'70
		Hemapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'46	0'26	65'48	53'70
		Rampore Haut	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'50	0'25	63'02	50'40
	Khoolna	Botpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	63'32	?
		Ranaghat	0'24	.....	.....	.....	.....	.....	.....	1	0'24	0'24	0'07	49'01	49'00
		Kishnaghat	0'11	.....	.....	.....	.....	.....	.....	1	0'11	0'18	0'13	48'58	47'30
		Choudanga	0'25	.....	.....	.....	.....	.....	.....	1	0'25	0'27	0'17	54'25	47'30
		Meherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'08	0'16	52'08	47'30
	Jessore	Kooshla	0'38	.....	.....	.....	.....	.....	.....	1	0'38	0'39	0'13	60'81	53'30
		Satkira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'25	55'95	50'40
		Bagirhat	0'21	.....	.....	.....	.....	.....	.....	1	0'21	0'21	0'33	74'42	51'30
		Khoolna	0'12	0'08	.....	.....	.....	.....	.....	2	0'20	0'20	0'30	47'05	52'30
		Narail	0'35	.....	.....	.....	.....	.....	.....	1	0'35	0'35	0'21	51'25	47'30
	Moorsheadabad	Jessore	0'28	0'09	.....	.....	.....	.....	.....	2	0'37	0'37	0'17	64'42	53'30
		Jhenidah	0'10	.....	.....	.....	.....	.....	.....	1	0'10	0'10	0'17	61'21	47'30
		Magomrah	0'08	.....	.....	.....	.....	.....	.....	1	0'08	0'08	0'12	61'32	47'30
		Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'08	51'48	47'30
		Kandi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'73	0'14	51'55	47'30
AST BENGAL.	Chittagong	Berhampore	0'05	.....	.....	.....	.....	.....	.....	1	0'05	0'54	0'29	56'81	50'40
		Lalbagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'44	0'01	60'11	47'30
		Azimungo	0'08	.....	.....	.....	.....	.....	.....	1	0'08	0'54	0'24	61'19	47'30
		Jungipore	0'20	.....	.....	.....	.....	.....	.....	1	0'20	0'48	0'28	67'75	47'30
		Lalgola	0'15	.....	.....	.....	.....	.....	.....	1	0'15	0'49	0'37	58'09	47'30
	Chittagong Hill Tracts.	Akhrganj	0'16	.....	.....	.....	.....	.....	.....	1	0'16	0'78	?	?	?
		Cox's Bazar	.....	0'86	.....	.....	.....	.....	.....	1	0'86	0'86	0'09	133'61	134'00
		Chittagong	0'03	.....	.....	.....	.....	.....	.....	1	0'03	0'03	0'09	121'06	115'00
		Kutubdia	.....	0'15	.....	.....	.....	.....	.....	1	0'15	0'15	?	110'31	115'00
		atkania	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Backergunge	Rangamati	0'29	0'02	.....	.....	.....	.....	.....	2	0'31	0'31	0'21	90'41	83'30
		Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'15	83'32	83'30
		Patuakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'38	78'27	67'30
		Perozepore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'20	0'29	70'43	67'30
		Burrisal	0'03	0'11	.....	.....	.....	.....	.....	2	1'04	1'04	0'28	61'34	67'30
	Bhola	Bhola	0'34	.....	.....	.....	.....	.....	.....	1	0'34	0'34	0'23	85'53	85'53

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 14th of January 1887—contd.

District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May, 1886.	Average rainfall from 15th May to date.
		Saturday, 8th January.	Sunday, 9th January.	Monday, 10th January.	Tuesday, 11th January.	Wednesday, 12th January.	Thursday, 13th January.	Friday, 14th January.	Number of rainy days.	Rainfall of week.				
BENGAL	Gournaddi	0.16							1	0.16	0.16	?	62.95	?
	Bauphal								Nil	Nil	Nil	?	52.97	?
	Noakholly	1.16	0.13						2	1.29	1.28	0.27	110.19	108.40
	Fenny	1.35	0.55						2	1.90	1.90	0.45	122.06	107.78
Surrendropore.	Harishpore		0.10						1	0.10	0.10	?	139.75	?
	Ramganj	0.83							1	0.83	0.83	?	92.45	?
	Madaripore	0.16							1	0.16	0.16	0.24	67.15	55.77
	Furreedpore	0.06							1	0.06	0.07	0.07	58.43	58.08
Mymensingh.	Goalundo								Nil	Nil	0.25	0.14	53.78	53.71
	Munshigunge	0.21	0.03						2	0.24	0.24	0.20	95.04	70.22
	Dacca	0.18							1	0.18	0.18	0.13	67.63	58.41
	Naraingunge	0.37							1	0.37	0.37	Nil	81.93	54.21
Hill Tipperah	Manickgunge	0.35							1	0.35	0.50	0.18	58.47	59.49
	Joydebpore	0.02	0.50						2	0.52	1.17	?	70.09	?
	Agartola								Nil	Nil	0.42	0.33	61.45	62.05
	Comilla	0.71	0.13						2	0.84	0.84	0.31	85.18	74.94
Tipperah	Chandpore	0.70							1	0.70	0.70	0.13	87.75	81.03
	Brahmunberia	0.18	0.30						2	0.48	0.79	0.37	69.07	63.03
	Ramchandrapore.								Nil	Nil	Nil	?	64.70	?
	Nasirnagar.								Nil	Nil	0.14	?	53.81	?
Mymensingh.	Daukhandi		0.04						1	0.04	0.31	?	73.07	?
	Kasba	1.00							1	1.00	1.00	?	68.81	?
	Laksham	0.94							1	0.94	0.94	?	90.00	?
	Kishoregunge	0.53							1	0.53	0.67	0.28	73.98	59.92
Mymensingh.	Atia (Tangail)	0.28							1	0.28	0.51	0.19	53.76	54.84
	Mymensingh	0.09							1	0.09	0.34	0.17	68.42	74.36
	Jamalpore								Nil	Nil	Nil	0.21	69.22	65.87
	Netrokona	0.09	0.10						2	0.19	0.23	Nil	78.32	70.13
Mymensingh.	Subornakhally								Nil	Nil	0.41	?	44.13	?
	Durgopore	0.33							1	0.33	0.96	?	?	?
	Deucongaj	0.40							1	0.40	0.40	?	62.51	?
Pubna	Pubna	0.25							1	0.25	0.32	0.17	61.11	51.33
	Serajgunge	0.08							1	0.08	0.53	0.17	66.56	62.40
Rogre	Sherpore								Nil	Nil	0.40	0.20	64.64	57.97
	Nowkhilla	0.06							1	0.06	0.45	0.30	61.38	51.53
	Bogra	0.07							1	0.07	0.62	0.19	65.52	59.69
	Panchbibi								Nil	Nil	0.30	0.11	70.80	51.80
Rajshahye	Beaulash								Nil	Nil	0.23	0.28	61.03	52.33
	Natore		0.45						1	0.45	0.50	0.35	56.83	55.16
	Nowgong	0.39							1	0.39	0.40	?	68.94	?
	Lalpor	0.39	0.41						2	0.80	1.06	?	60.86	?
Maldah	Manda								Nil	Nil	0.16	?	56.27	?
	Maldah							0.09	1	0.09	0.40	0.21	71.30	50.28
	Chanchal							0.05	1	0.05	0.18	0.29	51.75	51.52
	Gajol	0.12						0.07	2	0.19	0.36	?	64.92	?
Dinapore	Sibganj	1.05							1	1.05	1.47	?	64.12	?
	Mohadebpore	0.53							1	0.53	1.01	0.06	77.43	55.15
	Churamon							0.02	1	0.02	0.07	Nil	64.07	50.37
	Kaigunge							0.02	1	0.02	0.05	0.17	88.42	53.20
Rangpore	Dinapore								Nil	Nil	Nil	0.14	71.36	61.72
	Baloorghat	0.15							1	0.15	0.45	Nil	61.12	47.37
	Bhawangunge (Gyabanda.)	0.45							1	0.45	0.60	0.17	54.83	61.53
	Rangpore	1.59							1	1.59	1.59	0.09	70.81	74.14
Rangpore	Kurigram	0.70							1	0.70	0.70	0.11	85.40	72.95
	Bagdokra	1.32						0.08	2	1.40	1.40	0.07	80.55	83.93
	(Nilphamari.)													
	Ulipore	0.50							1	0.50	0.50	?	72.18	?
Jaligore	Jaligore								Nil	Nil	Nil	0.12	125.91	115.27
	Alipore Doar	0.46							1	0.46	0.46	?	135.73	?
	Fallacotta	0.11							1	0.11	0.11	?	97.84	?
	Debiganj	0.31							1	0.31	0.31	?	?	?
Cooch Behar.	Dinhat	0.32							1	0.32	0.32	Nil	81.22	95.40
	Cooch Behar	0.15							1	0.15	0.15	0.10	106.81	115.81
	Miekligunge								Nil	Nil	Nil	Nil	114.24	104.81
	Matabhanga	0.10						0.05	2	0.15	0.15	0.02	113.11	116.93
Darjeeling Hill.	Buxa	1.82	0.21						2	2.03	2.03	0.29	225.93	191.46
	Siliguri	0.07							1	0.07	0.07	Nil	144.90	87.16
	Darjeeling	0.09						0.08	3	0.24	0.24	0.19	114.89	105.08
	Kalimpong		0.09		0.11			0.07	2	0.13	0.13	Nil	71.13	79.64
Purneah	Kissengunge	0.80						0.10	2	0.90	0.90	0.11	105.73	66.69
	Arrareah	1.34							1	1.34	1.34	0.10	89.43	61.33
	Purneah							0.24	1	0.24	0.24	0.11	80.90	50.39
	Gondwara							0.30	1	0.30	0.30	?	?	?
North Bhagalpore.	Balarampore							0.21	1	0.21	0.21	?	78.04	?
	Natori	0.15						0.05	2	0.20	0.20	?	?	?
	Kailaganj							0.07	2	0.13	0.13	0.22	57.00	48.39
	Madanpore							0.19	2	0.31	0.31	0.13	56.85	46.65
Durbhunga	Protaganj								Nil	Nil	7.45	?	70.11	?
	Tajpore						0.20	0.14	2	0.34	0.34	0.37	72.59	41.14
	Durbhunga						0.13	0.10	2	0.23	0.23	0.17	55.80	44.37
	Madhubani						0.42		1	0.42	0.42	0.28	59.01	41.13
Mossurpore	Rahera								Nil	Nil	Nil	?	60.41	?
	Koshera						0.19		1	0.19	0.19	?	61.54	?
	Sitamari								Nil	Nil	Nil	0.28	54.41	40.81
	Mossurpore						0.16	0.22	2	0.38	0.38	0.23	60.68	45.89
Chauparan	Hajipore						0.31	0.21	2	0.52	0.52	0.25	58.25	40.68
	Pura								Nil	Nil	Nil	?	49.16	?
	Mahua						0.20		1	0.20	0.20	?	54.02	?
	Sinhar								Nil	Nil	Nil	?	57.77	?
Chauparan	Puri						0.10		1	0.10	0.10	?	50.24	?
	Moubar						0.04	0.02	2	0.06	0.06	0.23	52.80	48.74
	Bettiah								Nil	Nil	Nil	?	60.65	47.40
	Bagaha								Nil	Nil	Nil	?	60.68	?
Bihar	Bihar							0.04	1	0.04	0.04	?	44.84	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 14th of January 1887—con.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 1st May, 1886.	Average rain-fall from May to Oct.
			Saturday, 8th January.	Sunday, 9th January.	Monday, 10th January.	Tuesday, 11th January.	Wednesday, 12th January.	Thursday, 13th January.	Friday, 14th January.	Number of rainy days.	Rainfall of week.				
NORTH BHAR	—continued.	Gopalgunge ...	...	...	...	...	...	0.07	0.22	1	0.22	0.22	0.05	55.37	
		Sewan ...	...	...	...	...	...	0.26	0.35	2	0.27	0.27	0.38	53.00	
SOUTH BHAR	Shahabad ...	Chuprah ...	...	...	...	...	...	0.30	0.36	2	0.61	0.61	0.25	67.67	
		Buxar ...	...	...	...	...	...	0.13	0.32	2	0.45	0.66	0.14	48.76	
		Dehrue ...	...	...	...	...	...	0.30	...	1	0.30	0.47	0.35	50.20	
		Bhuboosh ...	...	...	...	...	...	0.35	0.21	2	0.56	0.76	0.17	53.27	
		Sasseram ...	...	...	...	...	...	0.35	0.20	2	0.55	0.55	0.32	67.29	
		Arrah ...	...	...	...	...	...	0.39	0.10	2	0.40	0.40	?	28.07	
		Mohania ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Aurungabad ...	...	...	...	...	...	0.31	0.60	2	0.91	1.22	0.12	66.47	
		Gya ...	0.15	...	...	...	...	0.26	0.38	3	0.79	0.94	0.12	66.66	
		Nowadah ...	...	...	...	...	...	0.23	0.31	2	0.55	0.63	0.19	64.21	
		Jehanabad ...	...	...	...	...	...	0.34	0.21	2	0.55	0.68	0.33	63.04	
		Arwal ...	...	...	...	...	...	0.14	0.11	2	0.25	0.55	?	53.12	
		Daudnagar ...	...	...	...	...	...	0.50	...	1	0.50	0.38	?	53.59	
		Sherghati ...	...	...	...	...	...	...	0.90	1	1.00	0.90	?	53.75	
		Rajauli ...	...	...	...	...	...	...	1.00	1	1.00	1.30	?	?	
		Pakri Barawan ...	...	...	...	...	...	0.20	0.60	2	0.80	0.90	?	67.61	
		Patna ...	0.02	...	...	...	...	0.21	0.20	3	0.43	0.51	0.20	64.74	
		Dinapore ...	...	...	...	...	...	0.25	0.28	2	0.53	0.94	0.23	70.69	
		Behar ...	...	...	...	...	...	0.35	...	1	0.35	0.55	0.21	53.41	
		Barre ...	...	...	...	...	...	0.30	0.30	1	0.30	0.30	0.15	50.38	
		Bickram ...	...	...	...	...	...	0.20	0.10	2	0.40	0.30	?	?	
		Hilsa ...	...	...	...	...	...	0.20	0.20	2	0.40	0.60	?	?	
		Begoeserai ...	...	...	...	...	...	0.20	0.29	3	0.55	1.04	0.11	50.37	
		Monchyr ...	...	...	...	...	...	0.10	0.43	2	0.53	0.75	0.14	64.75	
		Jamui ...	...	...	...	...	...	0.33	...	1	0.33	0.43	0.22	57.91	
		Gogri ...	...	...	...	...	...	0.40	...	1	0.40	0.55	?	5.41	
		Sheikpura ...	...	...	...	...	...	0.80	...	1	0.80	0.80	?	62.16	
		Bhagulpore ...	...	...	...	...	...	0.18	...	1	0.18	0.41	0.15	63.01	
		Bansa ...	...	...	...	...	...	0.14	...	1	0.14	0.29	0.19	58.97	
		Koilyong ...	...	...	...	...	...	...	...	Nil	Nil	0.20	?	50.85	
		Rajmehal ...	...	...	...	...	...	0.20	...	1	0.20	0.29	0.01	85.57	
		Godda ...	...	...	...	...	...	0.15	...	1	0.15	0.62	0.07	54.31	
		Pakour ...	...	...	...	...	...	...	...	Nil	Nil	0.53	Nil	84.00	
		Nya Doonka ...	0.01	...	...	...	...	...	...	1	0.01	0.61	0.34	70.68	
		Deoknur ...	...	...	...	...	...	0.06	...	1	0.06	0.40	0.16	69.16	
		Jamui ...	0.05	...	...	...	...	...	...	1	0.05	0.67	0.13	60.10	
		Simra ...	...	...	...	...	...	0.18	...	1	0.18	0.26	?	55.14	
		Nanhat ...	...	...	...	...	...	0.04	...	1	0.04	1.24	?	?	
CHUTIA NAG PUL.	Hazaribagh ...	Pachamba ...	0.20	...	...	...	...	...	0.08	2	0.28	0.55	0.18	60.49	
		(Giridi) ...	...	...	...	...	...	0.01	0.28	3	0.37	1.53	0.16	57.55	
		Hazaribagh ...	0.08	...	...	...	...	...	...	...	...	...	0.04	?	
		Semagurah ...	...	...	...	...	...	...	...	...	...	...	0.15	?	
		Jamudi Hills ...	...	...	...	...	...	...	...	...	...	...	Nil	?	
		Jhoomrah Hills ...	...	...	...	...	...	1.20	0.80	2	2.00	2.64	?	68.75	
		Barhi ...	...	...	...	...	...	1.57	0.56	3	2.17	2.81	?	69.11	
		Chatra ...	0.04	...	...	...	...	...	...	...	...	...	?	?
		Karagdeha ...	...	...	...	...	...	...	0.32	2	0.44	0.94	?	53.12	
		Kamghur ...	0.12	...	...	...	...	...	...	...	...	...	?	?
		Lohardugga ...	0.10	...	...	...	...	0.03	0.06	4	0.76	1.14	?	59.34	
		Kanchi ...	0.29	...	...	...	...	0.55	...	2	0.64	0.94	0.17	52.50	
		Paimrow ...	...	...	...	...	...	1.50	0.63	2	2.18	2.92	0.19	50.04	
		Silli ...	0.07	...	...	...	...	...	...	1	0.07	0.07	?	46.11	
		Batumat ...	...	...	...	...	...	0.45	0.44	2	0.89	...	?	?	
		Hosseinabad ...	...	...	...	...	...	2.10	0.50	...	...	1.19	?	?	
		Garwah ...	...	...	...	...	...	...	...	...	...	...	?	?
		Chyenassa ...	0.13	...	...	...	...	...	...	1	0.13	...	0.22	43.63	
		Chakradhar ...	0.41	...	...	...	...	...	...	1	0.41	0.13	?	56.83	
		Ghatstila ...	...	...	...	...	...	...	...	Nil	Nil	0.64	?	?	
		Baharagura ...	...	...	...	...	...	...	...	Nil	Nil	0.25	?	53.05	
		Purulia ...	0.37	...	...	...	...	...	...	1	0.37	0.69	0.07	45.02	
		Gobinapore ...	0.04	...	...	...	...	...	0.02	2	0.66	0.45	0.29	48.94	
		Kaghunath ...	0.32	...	...	...	...	...	...	1	0.32	0.70	?	61.14	
		pore ...	...	...	...	...	...	...	...	...	...	...	?	?
		Barrabhoon ...	0.15	...	...	...	...	...	...	1	0.15	0.35	?	37.01	
		Jhaida ...	...	...	...	...	...	...	...	...	...	...	?	?
		Chas ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	57.94	

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 18th January 1887.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 14TH OF
JANUARY 1887.

At the end of the week ending Friday, 7th, as noted in last week's weather report, a slight, but extensive, cold weather depression had advanced from Central or Upper India, and was passing eastwards through the Province. This disturbance gave throughout the Province on Friday evening and Saturday a series of thunder-storms, which, in several of their features, resembled the nor'-wester storms of the hot weather months. The rainfall accompanying the disturbance was hence very unequally distributed, ranging in amount from zero up to an inch and a half. The storms in the Rungpore district gave severe hail showers, which are stated to have done much damage to the standing crops in some parts of the district.

The disturbance filled up or passed eastwards from East Bengal on Saturday evening. The barometer rose rapidly until the 12th or 13th; the temperature and humidity of the air decreased, and light westerly to northerly winds prevailed throughout the Province. The weather in Upper India appears to be unusually changeable at the present time. A second cold weather depression commenced to form in Northern Rajputana and the Punjab on the 12th. It was smaller and much less important than the previous cold weather disturbance. It caused a general and rapid fall of the barometer in Bengal, commencing on the 12th or 13th. It affected the weather throughout the Province in the usual manner, increasing the temperature and humidity and changing the direction and character of the winds. The depression apparently passed into Behar and Chutia Nagpur, to nearly the whole of which area it gave light to moderate rain. In parts of the Hazaribagh and Lohardugga districts, amounts varying from one to two inches were received. South Behar obtained an average rainfall of half an inch from the disturbance. The depression filled up on the 15th without passing into Bengal, when ordinary cold weather conditions were again established throughout the Province.

The barometer was much below its average height at the commencement of the week under review. It rose steadily until the 12th or 13th by amounts ranging from $\frac{1}{16}$ th of an inch at the coast stations to $\frac{1}{8}$ th of an inch at the Behar and North Bengal stations. It fell rather rapidly on the 13th and 14th, but was somewhat above its normal height at the end of the week. The mean pressure of the week was below its normal height, except in East Bengal, the eastern districts of South-West Bengal, and Chutia Nagpur. The deficiency varied from '01" at Berhampore to '04" at Calcutta and Purneah. The Darjeeling barometric observations (if correct) appear to indicate unusually low pressure over the hills to the north of Bengal, the deficiency at that station for the week exceeding a tenth of an inch.

Temperature has varied very considerably from the normal temperature of the period during the week. It was much above the average at the commencement of the week. The disappearance of the first depression of the week was followed by a rapid decline of temperature which continued until the 11th. The formation and existence of the second depression of the week was accompanied by the usual large increase in the temperature, more especially the night temperature. This caused a rise in the mean temperature on the 13th and 14th, varying from 2° to 6° in amount. The following table gives temperature data for eight representative stations:—

Table showing the excess or defect of the actual temperature from the normal for the week ending 14th January 1887.

	Normal mean maximum temperature for the week ending 14th January 1887.	Actual mean maximum temperature for the week ending 14th January 1887.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 14th January 1887.	Actual mean minimum temperature for the week ending 14th January 1887.	Variation of actual from normal.	Normal mean daily temperature for the week ending 14th January 1887.	Actual mean daily temperature for the week ending 14th January 1887.	Variation of actual from normal.
Cuttack	83.9	85.8	+1.9	58.9	61.7	+2.8	71.4	73.8	+2.4
Calcutta	76.7	75.9	-.8	55.2	55.9	+0.7	65.9	63.9	-2.0
Burdwan	77.7	77.7	-.0	54.5	54.8	+0.3	66.2	66.1	-.1
Dacca	77.0	75.9	-1.1	51.6	54.8	+3.2	63.3	65.4	+2.1
Purneah	75.1	70.1	-5.0	48.0	50.5	+2.5	61.6	60.3	-1.3
Bankipore	71.9	71.1	-.8	48.1	52.2	+4.1	60.0	61.6	+1.6
Hazaribagh	72.4	68.8	-3.6	40.3	51.6	+11.3	60.9	60.2	-.7
Darjeeling	46.6	40.3	-6.3	36.6	32.9	-3.7	41.6	36.7	-4.9

The two depressions of the past fortnight have given unusually heavy rain to the Province. The first disturbance gave rain to every district, with the exception of Pooree, Darbhanga, Chumparun, Sarun, and the greater part of Mozufferpore and North Bhagulpore. The second depression gave light to moderate rain in part of North Bengal (Maldah, Dinapore, and the Darjeeling Hills), and to Behar and Chutia Nagpur. The rainfall was heaviest in parts of Hazaribagh and Lohardugga. It was general and very uniformly distributed over South Behar, which received an average of half an inch. North Bengal and South-West Bengal have each received an average rainfall of four-tenths of an inch since the first of the month, North and East Bengal five-tenths, South Behar nearly seven-tenths, and Chutia Nagpur eleven-tenths. The rainfall in these divisions is from two to ten times its normal amount for the period (1st to the 14th). The rainfall of Orissa for the same period was practically nil (.05 inch). The following districts which have received average amounts exceeding three-quarters of an inch represent the centres of heaviest rainfall during the two disturbances:—Noakholly (1.59 inches), Rungpore (1.08 inches), Hazaribagh (1.22 inches), Lohardugga (1.25 inches), Gya (.84 inch), and Comillah (.82 inch).

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 14th of January 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1886.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	86.4	51.5	80.3	61.8	71.1	+1.3	0.06	0.06	0	0.4	0.2	+0.2	0.28	0.11	61.04	55.39
South-West Bengal	83.3	46.7	76.3	55.2	65.7	+0.2	0.25	0.10	+0.15	0.8	0.2	+0.6	0.38	0.18	56.25	51.72
East Bengal	82.6	41.1	73.9	53.9	63.9	+0.9	0.42	0.07	+0.35	1.2	0.2	+1.0	0.52	0.21	60.50	74.60
North Bengal	77.2	42.4	72.5	50.9	61.7	—	0.29	0.10	+0.19	0.9	0.2	+0.7	0.46	0.14	78.80	69.05
North Benar	76.0	42.9	71.1	51.7	61.4	—0.1	0.37	0.14	+0.23	1.5	0.3	+1.2	0.38	0.21	66.30	46.88
South Behar	77.4	44.9	71.9	52.5	62.3	+1.4	0.40	0.21	+0.19	1.7	0.3	+1.4	0.65	0.26	62.51	42.28
Chutia Nagpur	78.0*	42.9*	70.0*	51.5*	60.7*	—0.7*	0.60	0.10	+0.50	1.9	0.3	+1.6	1.14	0.13	53.12	48.76

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 18th January 1887.

JOHN ELIOT,
Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 9th to 15th January 1887.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°	°	°	°	Inches.	°	%	Inches.
January	9th	64.5	73.9	18.0	55.9	55.6	.326	47.2	53	Nil.
"	10th	63.2	74.9	23.0	51.9	56.4	.360	49.9	63	"
"	11th	68.6	76.2	23.4	52.8	57.6	.397	52.6	68	"
"	12th	66.1	78.0	23.1	54.9	59.9	.435	55.0	67	"
"	13th	67.9	79.4	21.1	58.3	61.9	.456	56.4	70	"
"	14th	66.1	78.9	22.0	56.9	62.3	.513	59.7	80	"
"	15th	68.9	80.9	22.0	58.9	64.6	.553	61.8	78	"

The mean temperature of the seven days ... 65.8
The extreme variation of temperature ... 29.0
The maximum temperature ... 80.9

The mean relative humidity ... 68

The total fall of rain from 9th to 15th January 1887 ... Nil.

The mean temperature and humidity are obtained by applying to the mean of the 10th, 16th, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA,
The 17th January 1887.

HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 9th to 15th January 1887.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 52° Fabr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1887.		°		Inches.	°	°		°	°	Inches.	°	%			Inches.	
Jan.	9th	127.5	9.7	29.981	64.0	72.0	14.7	57.3	57.5	0.393	52.3	67	N by E and NNW...	88	Nil	Clear, p.
"	10th	121.6	9.7	30.041	61.4	73.1	21.6	51.5	55.3	.361	50.0	69	NNE and Calm ...	35	"	Clear, p.
"	11th	124.4	9.5	.052	62.4	74.0	22.3	51.7	57.1	.399	52.7	72	NNE, NW and Calm	40	"	Clear, p.
"	12th	125.7	9.6	.058	64.2	76.2	21.5	54.7	58.6	.420	54.1	72	NE by N and NNE	61	"	Clear, p.
"	13th	129.6	9.7	.032	66.5	77.4	20.2	57.2	60.4	.448	55.9	70	NNE and NE by N	94	"	Clear, p.
"	14th	129.3	9.8	29.985	66.3	77.1	20.6	56.5	61.4	.482	57.9	76	NE by N and NW	74	"	Clear, p.
"	15th	129.9	9.7	.943	68.0	78.8	20.5	58.3	62.9	.508	59.4	74	NNW and WNW ...	87	"	Chiefly clear, p.

The mean pressure of the seven days	...	inches.	30.013
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	30.027
The total number of hours of bright sunshine	...	Hours.	67.7
The maximum possible number of hours of sunshine	...	...	75.8
The mean temperature of the seven days	...	°	64.7
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	66.6
The extreme variation of temperature	...	...	27.3
The maximum temperature	...	...	78.8
The highest velocity of the wind in one hour	...	Miles.	11
The highest pressure of wind on one square foot	...	lbs.	Not measureable.
The mean relative humidity	...	%	71
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	70
The total fall of rain from 9th to 15th January 1887	...	Inches.	Nil.
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	0.02
The total fall from 1st to 15th January 1887	...	...	1.26
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	0.11

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

≡ fog, Δ dew.

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

MEMORANDUM.

FROM the annexed table exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 1st January 1887, the following results have been gathered:—

1. That during the week in question births and deaths were recorded in the proportions, respectively, of 22·5 and 33·8 per 1,000 of population, as opposed to 26·7 and 39·7 per 1,000, respectively, during the preceding week ending 25th December, indicating a large reduction in the registration of both the events.

2. That these events were returned at the highest rates by the following Municipalities:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Gya	...	36·2	Purneah	...	97·0
Bhagulpore	...	36·2	Burdwan	...	59·5
Monghyr	...	33·4	Beauleah	...	55·2
Beauleah	...	31·5	Suburbs of Calcutta	...	55·0
			Hughli	...	51·0
			Dacca	...	48·7
			Serampore	...	43·2
			Puri	...	41·0
			Naraingunge	...	41·4
			Bhagulpore	...	39·8
			Midnapore	...	37·2
			Chittagong	...	32·9
			Gya	...	31·4

3. That the principal recorded diseases proved fatal at the following rates in comparison with the rates of the preceding week:—

			Ratio per mille during the weeks ending—	
			1st January 1887.	25th December 1886.
Cholera	...	...	4·0	7·8
Small-pox	...	...	1	...
Fever	...	...	13·7	15·2
Bowel-complaints	...	...	6·3	6·4
Injury	...	...	2	2
Other causes	...	...	9·4	10·1

indicating mainly that there was a considerable decrease of mortality from cholera and fever, particularly from the former.

4. That while the mortality from small-pox and injury was nowhere large, the rest of the maladies above specified caused the greatest loss of life in the following Municipalities:—

Cholera.		Fever.		Bowel-complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Purneah	20·8	Purneah	58·9	Hughli	16·1	Gya	19·8
Naraingunge	16·5	Beauleah	55·2	Suburbs of Calcutta	13·9	Midnapore	18·6
Bhagulpore	10·9	Burdwan	35·1	Burdwan	10·7	Dacca	16·2
Dacca	8·4	Hughli	25·5	Dacca	10·4	Puri	14·7
Suburbs of Calcutta	7·2	Jessore	24·4			Suburbs of Calcutta	14·5
Burdwan	6·1	Serampore	21·6			Bhagulpore	14·5
Hughli	5·4	Monghyr	20·8			Serampore	11·8
Howrah	4·6					Durbhanga	11·8
						Chittagong	11·7

5. That the mortality according to Sex, Class and Age stood as follows:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	32·8	Christians	30·4	Under 1 year	238·4
Females	34·8	Hindus	31·9	1 and under 5 years	42·7
Ratio of male deaths to every 100 female deaths	106	Mahomedans	38·5	5 " " 10 " "	20·2
				10 " " 15 " "	12·2
				15 " " 20 " "	20·4
				20 " " 30 " "	23·0
				30 " " 40 " "	21·2
				40 " " 50 " "	23·3
				50 " " 60 " "	49·2
				60 years and upwards	89·2

The 17th January 1887.

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

DISTRICTS.	POPULATION.			BIRTHS.			DISEASE.										SEX.		Ratio of male deaths to every 100 female deaths.													
	NAMES OF MUNICI- PALITIES.	NUMBER—		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male births to every 100 female births.	DEATHS FROM—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS, PER 1,000 OF POPULATION PER ANNUM.															
		Males.	Females.	Total.	Males.		Females.	Total.	Cholera.	Small-pox.	Typhoid.	Bowel-complaints.	Injury.	Other causes.	All causes.	Cholera.	Small-pox.	Typhoid.		Bowel-complaints.	Injury.	Other causes.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.						
																											RATIO PER 1,000 OF POPULATION PER ANNUM.		DEATHS FROM—			
		Males.	Females.	Total.	Males.	Females.	Total.	Cholera.	Small-pox.	Typhoid.	Bowel-complaints.	Injury.	Other causes.	All causes.	Cholera.	Small-pox.	Typhoid.	Bowel-complaints.	Injury.	Other causes.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.								
Burdwan	...	18,003	16,017	34,020	8	16	24	12.2	12.2	24.4	100	4	...	23	7	...	5	39	6.1	...	55.1	10.7	...	7.6	59.5	24.4	15	24	43.2	77.9	62	
Midnapore	...	16,977	16,833	33,810	12	6	18	18.6	9.3	27.9	200	...	...	11	1	...	12	24	...	...	17.0	1.5	...	18.6	37.2	26.3	15	9	46.1	28.1	163
Hugli and Chinsurah	...	19,179	19,339	38,518	10	9	19	13.4	12.1	25.5	111	4	...	19	12	...	2	38	5.4	...	25.5	16.1	1.3	3.7	51.0	53.7	19	19	51.5	50.6	100	
Serampore	...	13,559	12,937	26,496	2	12	14	3.9	23.5	27.5	16	2	...	11	3	...	6	22	3.9	...	21.6	5.9	...	11.8	43.2	61.8	11	11	42.2	44.2	100	
Utterpara	...	3,046	2,464	5,510	1	...	1	9.4	...	9.4	No female births.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25.3	...	...	...	...	...
Howrah	...	58,153	37,666	95,819	25	20	45	14.3	11.4	25.7	125	8	...	13	7	...	12	40	4.6	...	7.4	4.0	...	6.8	22.8	33.8	17	23	16.8	31.8	73	
Bali	...	7,886	6,979	14,865	4	3	7	14.0	10.5	24.5	133	3	...	2	1	...	...	6	10.5	...	7.0	3.5	...	...	21.0	38.6	1	5	6.6	37.3	29
Suburbs of Calcutta	...	147,905	104,284	252,189	63	51	114	13.0	10.5	23.5	123	35	...	91	67	...	70	203	7.2	...	18.8	13.9	...	14.5	55.0	67.0	149	117	52.6	58.4	127	
Kishoreganj	...	13,263	14,214	27,477	7	3	10	13.2	5.6	18.9	231	...	...	4	...	...	1	6	...	...	7.5	...	...	1.3	11.3	39.7	2	4	7.8	14.6	50
Ranaghat	...	4,028	4,055	8,083	...	...	...	...	...	...	...	...	...	1	...	...	1	2	...	...	8.0	...	...	...	12.0	18.0	...	2	...	22.4	No male deaths.
Santipore	...	13,708	15,979	29,687	2	2	4	3.5	3.5	7.0	100	3	...	2	...	...	...	5	5.2	...	3.5	...	...	...	8.7	21.0	3	2	11.4	6.5	130
Jessore	...	4,839	3,665	8,504	...	...	...	...	...	...	...	...	...	4	...	...	...	4	...	...	24.4	...	...	...	24.4	24.4	3	1	32.3	14.2	300
Chattogram	...	10,765	9,025	19,790	8	4	12	21.0	10.5	31.5	200	...	...	21	...	...	...	21	...	...	35.2	...	...	...	55.2	42.0	11	10	53.1	57.6	110
Darjiling	...	5,029	2,947	7,976	...	...	...	...	...	...	...	...	...	1	...	...	2	3	...	...	6.5	...	...	...	13.0	19.5	2	1	20.6	17.6	200
Dacca	...	42,782	37,374	80,156	22	13	35	14.2	8.4	22.7	161	13	...	21	16	...	25	75	8.4	...	13.6	10.4	...	16.2	48.7	46.1	39	36	47.4	50.1	108	
Narainganj	...	7,075	4,055	12,501	2	3	5	8.3	12.4	20.7	60	4	...	2	2	...	2	19	16.5	...	8.3	8.3	...	8.3	41.4	120.1	8	2	54.8	21.0	400	
Chittagong	...	13,540	8,790	22,130	5	7	12	11.7	16.4	28.2	71	...	...	5	4	...	5	14	...	...	11.7	9.4	...	11.7	32.9	2.3	4	10	15.6	59.2	40
Comillah	...	8,153	5,353	13,506	4	1	5	13.4	3.8	19.2	400	1	...	4	...	...	2	7	3.8	...	15.4	...	...	...	27.0	23.1	4	3	25.5	29.1	133
Patna City	...	78,762	81,475	160,237	34	24	58	11.0	7.8	18.8	141	4	...	27	9	...	17	57	1.3	...	8.8	2.9	...	...	18.5	29.6	39	27	19.8	17.2	111
Gya	...	38,490	37,831	76,121	27	23	53	18.4	17.8	36.2	103	...	...	11	5	...	1	29	...	...	7.5	3.4	...	...	31.4	38.2	22	24	29.9	33.0	91
Arrah	...	24,960	22,505	47,465	4	3	7	4.8	3.6	8.4	133	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.2	...	...	...	...	...
Muzafferpore	...	23,084	19,028	42,712	2	...	2	9.4	...	9.4	No female births.	...	...	7	7	...	1	16	1.2	...	8.5	8.5	...	...	19.5	23.1	14	2	31.5	5.3	700
Durbhanga	...	33,774	32,322	66,096	16	14	30	12.6	11.0	23.6	114	1	...	8	5	...	15	31	...	...	6.4	3.9	...	...	24.4	54.3	14	17	21.6	26.7	83
Saran	...	26,041	27,205	53,246	5	13	7.8	4.9	12.7	...	...	...	...	1	2	...	2	5	...	...	1.0	1.9	...	...	4.9	15.6	2	3	4.0	5.7	63
Blairulpore	...	29,040	27,813	57,453	19	21	40	17.2	13.9	36.2	90	12	...	10	6	...	16	44	10.9	...	9.0	5.4	...	...	39.8	46.8	24	20	42.1	37.4	149
Monsieyr	...	28,154	29,566	57,520	23	14	37	20.8	12.6	33.1	101	...	...	23	3	...	4	30	...	...	20.8	2.7	...	...	27.1	26.2	11	19	29.3	33.6	57
Purneah	...	8,453	6,553	15,016	3	4	7	10.4	13.8	24.2	75	6	...	1	1	...	3	28	20.8	...	58.9	3.4	...	...	97.0	51.9	12	16	73.6	128.8	73
Puri	...	13,247	11,537	24,784	5	4	9	10.5	8.4	18.9	125	1	...	9	3	...	7	20	2.1	...	18.9	6.3	...	...	42.0	59.4	12	8	47.1	39.1	159
TOTAL	...	702,800	619,091	1,322,891	316	257	573	12.4	10.1	22.5	129	102	3	248	161	6	239	859	4.0	...	13.7	6.8	9.4	33.8	30.7	14	415	32.8	31.8	106

* A special census of the Europeans in the Paritling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remaining before, and it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except *Age*, the ratios under which have been omitted, inasmuch as the census of the Europeans above alluded to, cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

		13		14		15		16					
MORTALITY ACCORDING TO—													
Age.													
NAMES OF MUNICIPALITIES.		DEATHS AMONG—				DEATHS.				RATIO PER 1,000 OF POPULATION PER ANNUM.			
		RATIO PER 1,000 OF POPULATION PER ANNUM.											
						</							

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.
SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing quantities of Goods carried during the month of November 1886.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
500	1. Grain ...	206	5,733	5,939	5,939	3,18,851	
2	2. Cotton ...	.....	1	1	1	438	
201	3. Oilseeds ...	100	2,335	2,335	2,335	1,99,121	
597	4. Salt ...	5,264	15	5,279	5,279	4,43,036	
4	5. Piece-goods ...	1	.....	1	1	5,750	
20	6. Metal ...	85	16	101	101	53,368-8	
27	7. Building materials ...	162	98	260	260	4,622	
1,247	8. Miscellaneous ...	1,707	9,774	11,481	11,481	15,86,452-8	
74	9. Fuel ...	564	190	754	754	7,945	
2 rafts	10. Timber ...	130 c. ft.	273 c. ft.	403 c. ft.	403 c. ft.	1,160	
14 "	11. Bamboos ...	.....	7,286 "	7,286 "	7,286 "	676	
2,672 & 16 rafts.	12. Total ...	8,089 & 130 c. ft.	18,062 & 7,559 c. ft.	26,151 & 7,689 c. ft.	26,151 & 7,689 c. ft.	26,21,420	
5,505	13. Total of same month last year ...			23,351	23,351	24,01,860	
		Up.	Down.	Total.			
14.	Total number of boats plying cargo No.	1,083	1,589	2,672	Total tollage of month—		Rs. A. P.
14a.	Empty boats and steamers	412	392	804	24+25+26 ...		14,831 11
15.	Total number of boats plying passenger No.	1,158	1,477	2,635	Total tollage of same month last year ...		13,510 2
16.	Total registered tonnage, cargo ...	4,28,703	4,87,631	9,16,334	<i>Memorandum of Tollage.</i>		
17.	Total registered tonnage, passenger ...	650	312	962			
18.	Ton mileage ...	...	.....	.....			Rs. A. P.
19.	Estimated value of cargo ..	9,31,995	16,87,589	26,19,584	1. Balance not recovered on the 1st of the month ...		2,470 9
20.	Number of passengers ...	5,927	10,065	15,992	2. Tollage per month ...		14,831 11
21.	Rafts bamboos c. ft. ...	...	7,286	7,286			
22.	Do. bullocks "	130	273	403			
23.	Estimated value of rafts ...	340	1,496	1,836	3. Total ...		17,302 4
24.	Tollage on boats Rs.	5,643-12-0	9,158-4-0	14,802-0-0			
25.	Compounded tollage on boats Rs.	.....	.....	.....	4. Amount paid into treasury during the month ...		16,766 8
26.	Tollage on rafts "	3-6-0	26-5-0	29-11-0			
27.	Total tollage on boats per ton-mile ...	.....	.....	.....
28.	Ditto on rafts per 100 c. ft.	.....	.....	.....	5. Balance due at the end of the month ...		535 1

Calcutta,
 The 18th January 1887. }

A. D. McARTHUR, Major, R.E.,
 Under-Secretary to the Government of Bengal

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing quantities of Goods carried during the month of November 1886

Number of Boats or Rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
333	1. Grain ...	4,463	4,463	3,69,650	4,463	3,69,650	* For details see next page.
22	2. Cotton ...	.....	.....	.....	.....	.....	.....
442	3. Oilseeds ...	424	.....	424	38,594	424	38,594
	4. Salt ...	521	6,722	7,243	6,08,463	7,243	6,08,463	
	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
9	6. Metal ...	16	37	53	13,170	53	13,170	
85	7. Building materials ...	2,728	39	2,767	9,070	2,767	9,070	
693	8. Miscellaneous* ...	23,340	623	23,963	23,98,348	23,963	23,98,348	
731	9. Fuel ...	13,019	2,731	15,750	1,32,071	15,750	1,32,071	
	10. Timber ...	.....	.....	.....	.....	.....	.....
Rafts	11. Bamboos ...	1,561 No.	.....	1,561 No.	195	1,561 No.	195
15 & Rafts	12. Total ...	44,511 & 1,561 No.	10,152	54,663 & 1,561 No.	35,69,561	54,663 & 1,561 No.	35,69,561	
612	13. Total of same month last year	54,692	35,19,745	54,692	35,19,745	

	Up.	Down.	Total.		Rs. A. P.
Total number of boats plying cargo ... No.	3,744	571	4,315	Total tollage of month— 24 + 25 + 26 ...	32,816 8 6
Empty boats ...	.....	.....	2,491	Total tollage of same month last year ..	37,329 12 0
Total number of boats plying passenger ... No.	303	2	305	<i>Memorandum of Tollage.</i>	
Total registered tonnage, cargo ...	1,16,754	22,946	1,39,700		
Total registered tonnage, passenger ...	14,675	150	14,825	Rs. A. P.	
Ton-mileage ...	.....	.....	.....
Estimated value of cargo ...	28,89,193	6,80,173	35,69,366	1. Balance not recovered on the 1st of the month	2,076 12 9
Number of passengers ...	1,054	1	1,055	2. Tollage per month ...	32,816 8 6
Rafts, bamboos o. ft.	1,561	.....	1,561	3. Total ...	34,893 5 3
Do, bullahs "	.....	.....	.....	4. Amount paid into trea- sury during the month ...	33,620 13 0
Estimated value of rafts ...	195	.....	195	5. Balance due at the end of the month ...	1,272 8 3
Tollage on boats Rs.	27,196-14-6	5,615-13-0	32,812-11-6		
Compounded tollage on boats Rs.	.....	.....	.....
Tollage on rafts "	3-13-0	.....	3-13-0		
Tollage on boats per ton-mile ...	.....	.....	.....
Tollage on rafts per 100 o. ft. ...	.....	.....	.....

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS),
CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
875	(a) Jute ...	17,800	.....	17,800	17,44,445	17,800	17,44,445
58	(b) Jaggery ...	473	.....	473	53,009	473	53,009
18	(c) Sugar ..	92	.....	92	19,425	92	19,425
9	(d) Tobacco ...	.....	23	23	3,265	23	3,265
810	(e) Fish ...	132	.....	132	36,936	132	36,936
13	(f) Hides ...	6	.....	6	1,310	6	1,310
57	(g) Poultry ...	18	.....	18	7,566	18	7,566
68	(h) Hay and straw ...	328	.....	328	5,745	328	5,745
38	(i) Oils ...	.....	594	594	83,265	594	83,265
37	(k) Earthenware ...	62	.....	62	871	62	871
710	(m) Other miscellaneous	4,429	6	4,435	4,42,520	4,435	4,42,520
2,693	Total Miscellaneous...	23,340	623	23,963	23,98,348	23,963	23,98,348

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.
SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of November 1886.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
1,773	1. Grain ...	4,260	4,260	3,08,401	4,260	3,08,401	* For details, see next page.
6	2. Cotton ...	13	... ..	13	7,030	13	7,030
7	3. Oilseeds ...	5	88	93	8,450	93	8,450	
70	4. Salt ...	452	423	875	73,500	875	73,500	
1	5. Piece-goods ...	.....	1	1	1,500	1	1,500
2	6. Metal ...	18	5	23	2,031	23	2,031	
368	7. Building materials ...	2,638	33	2,671	15,675	2,671	15,675	
1,217	8. Miscellaneous* ...	2,737	106	2,843	2,92,335	2,843	2,92,335	
243	9. Fuel ...	2,579	32	2,611	22,548	2,611	22,548	
3 rafts	10. Timber ...	9 No.	.....	9 No.	360	9 No.	360
7 "	11. Bamboos ...	435 "	.....	435 "	54	435 "	54
3,690 & 10 rafts	12. Total ...	12,702 & 444 No.	688	13,390 & 444 No.	7,31,884	13,390 & 444 No.	7,31,884	
5,797	13. Total of same month last year.			21,746	7,27,573	21,746	7,27,573	

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo No.	3,602	88	3,690	Total tollage of month— 24 + 25 + 26 ...	8,633 7 6
14A. Empty boats ..	.....	.....	1,588		
15. Total number of boats plying passenger No.	787	24	811	Total tollage of same month last year ...	7,755 15 6
16. Total registered tonnage, cargo ...	46,486	3,791	50,277	<i>Memorandum of Tollage.</i>	
17. Total registered tonnage, passenger ...	27,125	2,775	29,900		
18. Ton-mileage ...	.....	.....	.....		Rs. A. P.
19. Estimated value of cargo ...	6,78,678	52,792	7,31,470	1. Balance not recovered on the 1st of the month ...	481 12 3
20. Number of passengers ..	6,51	162	6,678	2. Tollage per month ...	8,633 7 6
21. Rafts, bamboos c ft.	435	.....	435		
22. Do., bullahs "	.....	.....	.....	3. Total ...	9,115 3 9
23. Estimated value of rafts ...	414	.....	414		
24. Tollage on boats Rs.	7,698-11-0	931-4-6	8,629-15-6	4. Amount paid into treasury during the month ...	8,738 15 3
25. Compounded tollage on boats Rs.	.....	.....	.....
26. Tollage on rafts "	3-8-0	.....	3-8-0		
27. Total tollage on boats per ton- mile ...	.....	.....	.....
28. Ditto on rafts per 100 cubic feet ...	.....	.....	.....	5. Balance due at the end of the month ...	376 4 9

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS),

TOLLY'S NULLAH.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
8	(a) Jute ...	139	.....	139	13,622	139	13,622	
97	(b) Jaggery ...	533	.....	533	59,784	533	59,784	
1	(c) Sugar ...	.....	9	9	1,875	9	1,875	
13	(d) Tobacco ...	113	20	133	28,125	133	28,125	
137	(e) Fish ...	10	2	12	3,364	12	3,364	
.....	(f) Hides ...	.....	.....	.....	.....	.....	.....
8	(g) Poultry ...	.....	1	1	375	1	375	
400	(h) Hay and straw	845	.....	845	22,178	845	22,178	
57	(i) Oils ...	119	27	146	20,525	146	20,525	
112	(k) Earthenware ...	98	6	104	1,376	104	1,376	
384	(m) Other miscella- neous.	880	41	921	1,41,111	921	41,111	
1,217	Total Miscellaneous ...	2,737	106	2,843	2,92,335	2,843	2,92,335	

**ABSTRACT FOR THE MONTH OF NOVEMBER 1886 AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.**

	TRAFFIC, 1886-87.			TRAFFIC, 1885-86.		
	During the month.			During the month.		
	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals ...	32,816	8	6	1,82,096	3	3
Tolly's Nullah	8,633	7	6	56,668	10	3
Total ...	41,450	0	0	2,38,764	13	6

Calcutta,
The 18th January 1887.

A. D. McARTHUR, Major, R. E.,
Under-Secretary to the Government of Bengal

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 15th January 1887,
compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 15TH JANUARY 1887.			WEEK ENDING SATURDAY, THE 16TH JANUARY 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	1,612	2,80,771	4,951	1,755	3,30,425	5,846
Jute	116	56,450	1,262	144	92,225	1,865
Firewood	136	66,300	1,008	167	76,125	995
Other articles	989	2,58,395	4,144	972	1,89,953	2,748
Total ...	2,853	6,61,916	11,365	3,038	6,88,728	11,254

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ended 21st November 1886, as compared with the same period of 1885.

STAPLES.	1886.		1885.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
ANIMALS, LIVING, FOR SALE.	No.							
Horses, ponies, and mules ...	527	7,134	266	3,761	261	3,373	14	243
Cattle ...	64	432	78	875	14	443		
Sheep and goats ...	4,763	3,997	2,807	1,945	1,956	2,052		
Other kinds ...							482	425
Borax ...	458	346	240	771	218	575		
Canes and rattans ...	167	305	154	303	13	2		
Caoutchouc (India-rubber) ...	3	5	2	4	1	1		
Chinese and Japanese ware ...	58	103	76	119	18	16		
Coal and coke, up ...	5,80,811	2,21,707	4,87,571	1,99,707	93,240	21,540		
Do., down ...	15,07,930	2,18,820	15,40,870	2,09,159	37,060	9,670		
Cotton, raw ...	2,75,033	2,24,282	1,18,882	1,18,123	1,64,151	1,11,159		
Twist and yarn (European) ...	7,035	9,607	6,825	9,447	210	160		
Do. (Indian) ...	15,268	9,367	14,940	4,950	328			92
Piece-goods (European) ...	1,42,751	1,50,761	2,12,090	2,45,858	69,339	95,097		
Do. (Indian) ...	31,533	21,564	34,903	27,024	3,370	2,460		
Asafetida ...	867	536	813	581	54	45		
DRUGS AND MEDICINES.								
Other sorts, not intoxicating... Intoxicating drugs (other than opium, i.e., arsenic, bang, ganja, and churus, &c.)	1,051	1,655	925	1,372	125	283	180	143
Indigo ...	29,077	62,605	30,537	55,908	6,637	1,450		
Maider or manjit ...	17	28	96	46		79	18	
Safflower ...	475	223	359	202	116	21		
Turmeric ...	9,439	9,495	7,632	7,463	1,807	1,632		
Other kinds ...	3,239	1,808	4,875	3,782	1,636	1,974		
Earthenware and porcelain	811	1,674	803	1,557	8	17		
Jute, raw ...	7,595	3,439	7,235	3,886	360	447		
Do., manufactured (gunny bags and cloths).	63,247	29,569	75,472	44,947	12,225	15,378		
Other fibres, raw	22,810	22,218	1,449	245	21,361	21,973		
Do., manufactured	3,631	1,415	1,755	661	1,273	752		
FRUITS & NUTS								
Cocoanuts ...	4,233	4,290	6,663	7,054	2,421	2,764		
All other kinds ...	42,483	41,286	45,786	38,500	2,788	3,303		
Wheat ...	6,41,814	1,56,798	6,11,914	1,50,818	32,900	5,980		
Gram and pulses...	2,09,026	67,187	2,13,106	89,827	4,080	22,640		
Rice, husked ...	5,42,143	96,657	4,62,763	72,287	79,380	24,370		
Do., unhusked ...	22,016	4,367	26,056	5,177	4,040	810		
Other rain and spring crops	1,71,304	33,449	1,96,154	39,849	24,850	6,400		
Gums and resins	5,135	3,200	5,242	3,322	104	122		
HIDES & SKINS...	74,516	47,868	94,071	51,663	19,555	3,705		
Hides of cattle ...	11,641	6,251	14,070	7,613	2,529	1,362		
Small animals, ...								
Horns ...	1,488	910	1,625	1,461	137	151		
LAC	837	415	683	307	154	108		
Do. shell ...	14,225	10,134	18,474	13,303	4,251	3,169		
Do. stick and other kinds	21,300	5,182	16,035	4,371	5,274	811		
Leather, unmanufactured	1,623	2,692	1,939	3,169	316	477		
Do., manufactured	3,842	5,509	3,167	4,912	675	507		
LIQUORS	21,667	22,513	21,235	18,511	4,002	2,568		
Mats ...	502	428	418	367	84	61		
METALS AND MANUFACTURES OF								
Brass and copper ...	31,761	25,465	33,429	32,838	627	627		
Iron ...	61,035	38,836	61,694	41,065	639	3,137		
Other metals ...	11,814	8,682	9,795	10,160	2,346	1,478		
Oils ...	30,904	18,145	18,631	13,208	4,847	20,175		
Opium ...	16,092	14,089	36,267	40,947	24,855	25,053		
Paints and colours...	2,175	2,304	2,130	2,277	45	27		
PROVISIONS								
Ghee ...	22,361	19,277	15,500	10,557	6,861	8,720		
Other kinds ...	7,450	7,577	7,324	8,813	126	1,236		
Railway materials, Construction Account	1,62,795	5,945	2,21,538	6,522	58,543	1,457		
Do. ditto, Foreign	1,70,539	1,12,998	69,749	52,476	1,00,790	60,522		
Salt ...	6,84,819	1,41,070	5,55,323	1,38,717	1,29,496	2,353		
SALTPETRE, &c.								
Saltetre ...	55,463	22,754	64,455	26,805	8,992	4,141		
Other saline substances	10,350	1,455	21,301	4,208	10,971	2,843		
SEEDS								
Linseed ...	3,43,036	89,285	3,61,406	95,015	41,639	5,730		
Mustard and rape ...	1,23,404	30,422	75,554	18,592	47,830	11,830		
Til or gingelly ...	16,749	4,350	16,329	3,940	420	410		
Other oil-seeds ...	1,24,791	34,469	91,831	28,249	32,950	6,220		
Indigo seed ...	9,768	3,338	1,748	688	8,020	2,650		
Tea seed ...	125	127	143	131	18	110		
Other kinds ...	37,249	10,725	29,929	10,635	7,320	6		
SILK								
Silk, raw ...	1,631	1,688	1,356	1,554	275	134		
Do., manufactured (European)	516	546	554	554		6		
Do., ditto (Indian)...	15	3	115	115	100	112		
Spices	10,922	7,366	16,229	9,456	5,306	2,150		
Stone and marble	53,153	9,637	60,072	11,937	6,919	2,360		
SUGAR								
Sugar, refined ...	71,251	21,358	82,381	26,116	11,162	3,755		
Do., unrefined ...	1,01,539	26,680	78,854	32,337	22,680	5,657		
Tea, Indian ...	5,116	3,800	4,143	4,721	953	921		
Do., Foreign ...	40	8	318	17	278	9		
TOBACCO								
Timber ...	37,238	14,567	21,091	11,622	13,237	2,895		
Firewood ...	18,626	3,765	18,585	4,118	43	355		
WOOD								
Wool, raw ...	22,758	1,222	13,912	876	8,846	546		
Do., manufactured (Euro- pean).	1,566	1,010	1,851	1,859	285	849		
Wool, manufactured (Indian)	2,895	6,020	2,249	5,503	556	1,008		
Shawls ...	3,621	4,699	5,323	6,307	10	13,717		
Shawls ...	10	18			18	21,710		
All other articles of merchandise	2,75,460	2,09,745	2,75,420	2,23,402	3,034	7,957		
Government stores	18,178	19,692	20,135	41,702	3,707	4,899		
Minerals	44,686	7,229	48,483	12,128				
Total	71,80,846	24,43,709	65,98,418	23,95,041	8,78,098	3,10,456	2,95,670	2,70,783

N. ST. L. CARTER,
Traffic Manager.

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 14th January 1887.

*General remarks on the fluctuation of principal staples carried over the East Indian Railway
during four weeks ended 27th November 1886.*

INCREASES.

Coal and coke.—There was an increase in both the down ward and upward traffic; the former due to a better demand in Calcutta for local consumption, and the upward to larger indents from Foreign Railways.

Cotton.—A satisfactory crop with good demand for export, attended by a firm market, are the reasons which may be assigned for the large increase in this staple.

Wheat.—This small increase was owing to a brisk market at Calcutta attended with steady prices.

Rice (husked and unhusked).—This increase is attributable to better prices ruling in the market than during the corresponding period of 1885.

Railway material, Foreign.—Increased despatches to Benares and to Cawnpore account for the improvement under this head.

Salt.—There was a large increase in the weight carried of this staple attended with a small increase in earnings owing to competition.

Seeds.—This increase is assignable to larger stocks and a slightly better demand this season than in 1885.

Tobacco.—The increase in this commodity may be attributed to ordinary fluctuation of trade.

DECREASES.

Piece-goods.—An almost total want of demand from the distributing markets in the mofussil accounts for the heavy decrease in this staple.

Gram and pulses.—Plentiful crops all over the country must be assigned as the reason for this decrease.

Gunny.—The falling off under this head may be ascribed to competition.

Hides and skins.—This decrease is attributable to short stock, the Calcutta market having been very favourable, but supplies scarce.

Brass and copper.—The decrease in these metals was also due to competition.

Opium.—No special reason can be assigned for the decrease in this Government monopoly.

Sugar.—There was an increase in weight carried attended with a decrease in receipts which is attributable to fluctuation of traffic in respect of long distances.

Government Stores.—The falling off in these stores is due to decreased despatches from Government depôts.

N. ST L. CAUTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 14th January 1887.

Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the line during the month of December 1886, as compared with the corresponding period of December 1885.

STAPLES.	1885.		1886.		1885.	1886.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	716	.....	690	.....	716	690	.....	26
Cotton, raw	14	.....	44	.....	14	44	30	.....
Cotton twist and yarn—								
2.—Indian ... ..	.....	.....	1	.....	.....	1	1	.....
Cotton piece-goods—								
1.—European	37	.....	32	1	37	35	.....	3
2.—Indian ... ..	.....	.....	.....	.....	.....	.....	.....	.....
Dyes and Tans—								
1.—Indigo ... ..	.....	.....	.....	4	.....	4	4	.....
Grains—								
2.—Rice	89	220	2	1,200	309	1,201	984	.....
3.—Others ... ..	.....	.....	2	7	.....	30	.....	.....
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed ... ..	.....	.....	.....	2	.....	2	2	.....
b.—Undressed ... ..	.....	.....	.....	1	.....	1	1	.....
Jute—								
1.—Raw ... ..	.....	.....	.....	8	.....	8	8	.....
2.—Gunny-bags and cloth	.....	.....	37	4	.....	41	41	.....
Leather, manufactured	.....	.....	5	.....	.....	5	5	.....
Liquors—								
1.—Beer ... ..	.....	.....	2	.....	.....	2	2	.....
2.—Wines ... ..	.....	.....	2	.....	.....	2	2	.....
Metals—								
2.—Iron ... ..	.....	.....	4	.....	.....	4	4	.....
4.—Others	8	5	5	1	13	6	.....	7
Oils—								
2.—Kerosine ... ..	.....	.....	3	.....	.....	3	3	.....
Oilseeds—								
2.—Mustard and rape	6	.....	18	.....	6	18	14	.....
3.—Others ... ..	.....	.....	2	.....	.....	2	.....	.....
Paper and Pasteboard	.....	.....	1	.....	.....	1	1	.....
Provisions—								
1.—Ghee ... ..	.....	.....	9	.....	.....	9	9	.....
2.—Dried fruits and nuts	.....	.....	3	.....	.....	3	3	.....
3.—Others ... ..	.....	.....	55	1	56	56	56	.....
Railway plant and rolling-stock	14	4	6	.....	14	6	.....	8
Salt	11	.....	22	.....	11	22	11	.....
Silk, raw—								
2.—Indian	27	19	59	15	46	74	28	.....
Silk piece-goods—								
2.—Indian ... ..	.....	.....	1	5	.....	6	6	.....
Sugar—								
1.—Drained	9	.....	15	.....	9	15	15	.....
2.—Undrained ... ..	.....	.....	9	.....	.....	9	.....	.....
Timber ... ..	.....	.....	1	.....	.....	1	1	.....
All other merchandise	157	48	34	15	205	49	.....	156
Tobacco ... ..	.....	.....	.....	5	.....	5	5	.....
Total	1,048	2,22	1,090	1,327	1,380	2,417	1,247	192

INCREASE.

Tons.

Provision :—

(1) Ghee 9
 The increase in this staple is due to larger quantity of import during the month for larger demands.
 (3) Others 56
 The increase in this staple is due to larger quantity of import during the month for larger demands.
 Salt 11
 This increase is due to salt being imported by retail vendors to intermediate stations.
 Silk, raw—
 (2) Indian 28
 The increase in this staple is due to tussar cocoons being imported from Burrakur.
 Silk piece-goods—
 (2) Indian 6
 This increase is due to this staple being included under silk, raw, last year.
 Sugar 15
 This increase is due to greater demand.
 Tobacco 5
 This increase is due to larger quantity imported this year.

DECREASE.

Tons.

Coal 26
 This decrease is due to greater demand of coal for brick-burning last year.
 Railway plant and rolling-stock 8
 This decrease is due to less materials carried during the month.
 All other merchandise 156
 This decrease is due to some of the staples included under this head last year, but shown separately this year.

NALHATI, the 14th January 1887.

R. G. MOOKERJEE, Manager.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 1,515 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	232,168	2,73,678 6 0	31,95,539 0	7,84,097 11 6	21,396 5 0	10,79,172 6 6	74,919	121,945½	196,864½
Or per mile of railway ...	.....	189 10 4	.....	517 8 11	14 1 11	712 5 2	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days ...	232,168	2,73,678 6 0	31,95,539 0	7,84,097 11 6	21,396 5 0	10,79,172 6 6	74,919	121,945½	196,864½
COMPARISON.									
Total for corresponding 9 days of previous year ...	253,602½	3,07,040 10 11	33,22,017 30	8,79,627 12 3	26,440 13 6	12,13,109 4 8	83,547	138,845	222,392
Per mile of railway corresponding period of previous year ...	.....	202 10 8	.....	559 9 10	17 7 3	800 11 9	.....	.....	.....
Total to corresponding date of previous year ...	253,602½	3,07,040 10 11	33,22,017 30	8,79,627 12 3	26,440 13 6	12,13,109 4 8	83,547	138,845	222,392

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,515	12,13,109	801	1,515	10,79,172	712	1,515	3,56,15,013	23,508	1,515	3,59,71,225	23,405	.....	1,43,788

PATNA-GYA STATE RAILWAY

Approximate Return of Traffic for the first 8 days of January 1887, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	13,376	6,422 1 0	47,952 30	3,410 9 0	37 11 0	9,870 5 0	1,932	894	2,736
Or per mile of railway ...	234	112 4 5	838 20	59 10 0	0 10 6	172 8 11	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days ...	13,376	6,422 1 0	47,952 30	3,410 9 0	37 11 0	9,870 5 0	1,932	894	2,736
COMPARISON.									
Total for corresponding 9 days of previous year ...	17,541	10,150 13 8	56,575 10	2,704 4 0	112 4 6	12,967 6 2	2,609	925	3,434
Per mile of railway corresponding period of previous year ...	307	177 7 5	639 29	47 4 5	1 15 5	226 11 3	.....	.....	.....
Total to corresponding date of previous year ...	17,541	10,150 13 8	56,575 10	2,704 4 0	112 4 6	12,967 6 2	2,609	925	3,434

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	12,967	227	57½	9,870	173	57½	5,83,162	6,699	57½	4,12,282	7,308	29,120	.....

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	2,707	451 10 0	24,611 30	604 4 0	8 11 0	1,064 9 0	388	176	564
Or per mile of railway ...	.....	37 10 2	.....	50 5 8	0 11 7	88 11 5	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days ...	2,707	451 10 0	24,611 30	604 4 0	8 11 0	1,064 9 0	388	176	564
COMPARISON.									
Total for corresponding 9 days of previous year ...	2,740	464 15 7	18,744 30	439 1 0	30 11 9	934 12 4	262	161	423
Per mile of railway corresponding period of previous year ...	.....	38 11 11	.....	36 9 5	2 9 0	77 14 4	.....	.....	.....
Total to corresponding date of previous year ...	2,740	464 15 7	18,744 30	439 1 0	30 11 9	934 12 4	262	161	423

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 9TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
12	935	78	12	1,065	89	12	35,221	2,935	12	36,381	3,032	1,160	.....

SINDIA STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	5,879	4,333 10 0	1,29,133 10	6,546 6 0	183 5 0	11,063 5 0	800	1,327½	2,127½
Or per mile of railway ...	.....	57 15 0	.....	87 8 3	2 7 3	147 14 6	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days ...	5,879	4,333 10 0	1,29,133 10	6,546 6 0	183 5 0	11,063 5 0	800	1,327½	2,127½
COMPARISON.									
Total for corresponding 9 days of previous year ...	6,175	5,574 0 4	1,07,108 0	3,463 3 0	289 6 9	9,326 10 1	1,946	1,708	3,654
Per mile of railway corresponding period of previous year ...	.....	74 8 4	.....	46 4 9	3 13 11	124 11 0	.....	.....	.....
Total to corresponding date of previous year ...	6,175	5,574 0 4	1,07,108 0	3,463 3 0	289 6 9	9,326 10 1	1,946	1,708	3,654

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 9TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
74½	9,327	125	74½	11,063	148	74½	2,75,155	3,679	74½	2,94,919	3,943	19,764	.....

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	17,722	4,307 11 0	7,121 0	287 11 0	8 11 0	4,604 1 0	1,068	38	1,106
Or per mile of railway ...	.....	193 9 8	.....	12 14 10	0 6 3	206 14 9	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days ...	17,722	4,307 11 0	7,121 0	287 11 0	8 11 0	4,604 1 0	1,068	38	1,106
COMPARISON.									
Total for corresponding 9 days of previous year ...	19,591½	4,932 6 10	12,953 10	548 8 0	3 14 0	5,484 12 10	1,430	204	1,634
Per mile of railway corresponding period of previous year ...	.....	221 10 11	.....	24 10 5	0 2 10	246 8 2	.....	.....	.....
Total to corresponding date of previous year ...	19,591½	4,932 6 10	12,953 10	548 8 0	3 14 0	5,484 12 10	1,430	204	1,634

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 9TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
22½	5,485	247	22½	4,604	207	22½	1,87,088	8,440	22½	1,83,694	8,256	.....	4,394

INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	1,690	1,233 8 3	52,679 10	3,671 6 0	41 11 0	4,946 9 3	256	584	840
Or per mile of railway ...	.....	29 5 11	.....	87 6 7	0 15 11	117 12 5	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 8 days ...	1,690	1,233 8 3	52,679 10	3,671 6 0	41 11 0	4,946 9 3	256	584	840

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 9TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
42	4,047	118	42	4,047	118	42	98,646	2,349	42	98,646	2,349	.....	.....

EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 234 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated) including steam boat	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 8 days ...	137,249*	43,170 0 0	2,68,141 0	48,210 0 0	4,800 0 0	96,180 0 0	13,514	8,858	22,372
Or per mile of railway ...	587	185 0 0	1,146 0	206 0 0	.....	391 0 0	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for week ...	137,249	43,170 0 0	2,68,141 0	48,210 0 0	4,800 0 0	96,180 0 0	13,514	8,858	22,372
COMPARISON.									
Total for corresponding 9 days of previous year ...	105,695	45,205 0 0	4,79,889 0	64,824 0 0	6,053 0 0	1,16,085 0 0	14,314	11,880†	26,194
Per mile of railway corresponding period of previous year ...	452	193 0 0	2,051 0	277 0 0	.....	470 0 0	.....	.....	.....
Total to corresponding date of previous year ...	105,695	45,205 0 0	4,79,889 0	64,824 0 0	6,053 0 0	1,16,085 0 0	14,314	11,880	26,194

* Exclusive of 1,698 miles for ballast trains.

† Includes 43,999 monthly tickets for December last.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO FIRST 9 DAYS OF JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO FIRST 8 DAYS OF JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
234	1,16,035	496	234	96,150	411	234	34,81,887	14,880	234	40,94,477*	17,498	6,12,599	.....

* Audited up to week ending 20th November 1886.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for first 8 days of January 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 8 days ...	28,576*	9,110 0 0	20,340 0	1,374 0 0	50 0 0	10,494 0 0	4,430	1,074	5,504
Or per mile of railway ...	229	73 0 0	163 0	11 0 0	.....	84 0 0	.....	.....	.....
For previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for week ...	28,576	9,110 0 0	20,340 0	1,374 0 0	50 0 0	10,494 0 0	4,430	1,074	5,504
COMPARISON.									
Total for corresponding 9 days of previous year (audited) ...	24,580	9,303 0 0	33,332 0	1,698 0 0	8 0 0	11,009 0 0	5,085	1,063	6,148
Per mile of railway corresponding period of previous year ...	197	73 0 0	267 0	14 0 0	.....	88 0 0	.....	.....	.....
Total to corresponding date of previous year ...	24,580	9,303 0 0	33,332 0	1,698 0 0	8 0 0	11,009 0 0	5,085	1,063	6,148

* Includes 6,286 monthly tickets for December last.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO FIRST 9 DAYS OF JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO FIRST 8 DAYS OF JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
125	11,009	88	125	10,494	84	125	4,09,647	3,272	125	4,53,601*	3,629	44,554	.....

* Audited up to week ending 20th November 1886.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 8 days ...	14,086	5,240 0 0	15,380 0	1,560 0 0	50 0 0	6,850 0 0	2,570	906	3,476
Or per mile of railway ...	163	61 0 0	179 0	18 0 0	...	79 0 0	...	...	...
For previous weeks of half-year ...	...	...	...	...	...	...	...	...	...
Total for week ...	14,086	5,240 0 0	15,380 0	1,560 0 0	50 0 0	6,850 0 0	2,570	906	3,476
COMPARISON.									
Total for corresponding 9 days of previous year (audited) ...	10,568	2,142 0 0	6,000 0	764 0 0	112 0 0	3,018 0 0	816	1,645	2,461
Per mile of railway corresponding period of previous year ...	123	25 0 0	70 0	9 0 0	...	34 0 0	...	...	...
Total to corresponding date of previous year ...	10,568	2,142 0 0	6,000 0	764 0 0	112 0 0	3,018 0 0	816	1,645	2,461

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO FIRST 9 DAYS OF JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO FIRST 8 DAYS OF JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
86	3,018	35	86	6,850	80	62	78,027	32	86	2,02,833*	59	1,24,209	.....

* Audited up to week ending 20th November 1886.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	2,659	928 0 0	23,901 0	1,080 0 0	24 0 0	2,032 0 0	582	190	872
Or per mile of railway ...	98	34 1 0	877 0	39 10 0	0 14 0	74 9 0	...	...	...
For previous weeks of half-year ...	...	...	...	...	...	...	...	...	...
Total for 8 days ...	2,659	928 0 0	23,901 0	1,080 0 0	24 0 0	2,032 0 0	582	290	872
COMPARISON.									
Total for corresponding period of previous year ...	2,733½	1,109 15 0	10,849 30	821 12 0	16 2 0	1,947 13 0	654	327	981
Per mile of railway corresponding week of previous year ...	100	40 12 0	398 0	30 2 0	0 10 0	71 8 0	...	...	...
Total to corresponding date of previous year ...	2,733½	1,109 15 0	10,849 30	821 12 0	16 2 0	1,947 13 0	654	327	981

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 9TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
27½	1,048	79	27½	2,032	95	27½	60,118	2,266	27½	64,138	2,354	4,020	.....

KAUNIA AND DHARLLA STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 37 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings inclusive steam boat (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the first 8 days of January	2,143	792 0 0	5,775 0	395 0 0	1,272 0 0	2,460 0 0	296	316	612
Or per mile of railway	58	21 0 0	156 0	11 0 0	.....	32 0 0	8	9	17
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for first 8 days or 2 weeks	2,143	792 0 0	5,775 0	395 0 0	1,272 0 0	2,460 0 0	296	316	612
COMPARISON.									
Total for corresponding first 9 days of previous year	2,312	1,054 0 0	5,895 0	270 0 0	1,014 0 0	3,238 0 0	333	333	666
Per mile of railway corresponding period of previous year	62	28 0 0	165 0	7 0 0	.....	35 0 0	9	9	18
Total to corresponding date of previous year	2,312	1,054 0 0	5,895 0	270 0 0	1,014 0 0	3,238 0 0	333	333	666

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Kaunia and Dharlla State Railway.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 9TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
37	3,238	88	37	2,460	66	37	27,970	65	37	93,288*	61	.....	4,682

* Audited up to week ending 4th December 1886.

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the first 8 days of January 1887, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings inclusive steam boat (estimated.)	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the first 8 days of January	20,310	15,040 0 0	1,49,520 0	30,060 0 0	5,800 0 0	50,900 0 0	5,530	9,407	14,937
Or per mile of railway	82	60 0 0	600 0	121 0 0	.....	181 0 0	22	38	60
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for first 8 days or 2 weeks	20,310	15,040 0 0	1,49,520 0	30,060 0 0	5,800 0 0	50,900 0 0	5,530	9,407	14,937
COMPARISON.									
Total for corresponding first 9 days of previous year	24,060	17,275 14 8	2,32,476 0	45,463 12 0	7,856 5 6	70,596 0 2	5,728	16,020	21,748
Per mile of railway corresponding period of previous year	97	69 6 1	934 0	182 9 4	.....	251 16 5	23	64	87
Total to corresponding date of previous year	24,060	17,275 14 8	2,32,476 0	45,463 12 0	7,856 5 6	70,596 0 2	5,728	16,020	21,748

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Northern Bengal State Railway.

RECEIPTS FOR FIRST 9 DAYS OF JANUARY 1886.			RECEIPTS FOR FIRST 8 DAYS OF JANUARY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 9TH JANUARY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 8TH JANUARY 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
249	70,596	284	249	50,900	204	249	17,37,454	170	249	20,47,687*	201	3,10,233	.....

* Audited up to week ending 4th December 1886.

NORTHERN BENGAL STATE RAILWAY.

CORRIGENDA.

TOTAL receipts under column "Other earnings, inclusive of Steam-boat estimated" against 4th line in the Approximate Return of Traffic of the Northern Bengal State Railway for last 13 days of December 1886, please read Rs. 1,47,258 for Rs. 14,72,258.

SAIDPUR, 11th January 1887.

W. B. GRAY, Offg. Examiner of Accounts.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 26, 1887.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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SOUTH-WEST MONSOON RAINFALL—MAY TO OCTOBER 1886.

The following is published for general information

P. NOLAN,

Offg. Secretary to the Govt. of Bengal.

THE following remarks give a brief resumé of the more important feature of the rainfall of the province of Bengal during the south-west monsoon period, May to October 1886, and an introductory statement of the chief features of the weather, antecedent to the rains.

January was drier than usual. Behar obtained light showers from a depression which advanced into it from Upper India. February was unusually dry and cool. No rain fell, with the exception of some light showers in Behar and Bengal. The rapid increase of temperature which marks the transition to the hot weather, and which in South Bengal is almost contemporaneous with the establishment of southerly sea breezes in the coast districts, took place in the beginning of March, or nearly a fortnight later than usual. The weather in March was somewhat disturbed. A series of nor'westers occurred between the 21st and 29th in all divisions, except Behar and North Bengal. Temperature increased rapidly in April; but the whole of that month and the first week of May were unusually free from atmospheric disturbance. This was ultimately followed by a prolonged and vigorous series of thunderstorms or nor'westers, occurring between the 12th and 18th of May, which gave unusually heavy and general rain to the whole province. Almost immediately afterwards the first advance of southerly moist winds into the Bay from the South occurred and gave rise to a small cyclone that

advanced westwards to the Coromandel Coast near Pondicherry on the 24th. A brief interval of inaction in the south of the Bay, from the 24th to the 30th, was contemporaneous with a strengthening of the local sea winds in Bengal, which gave fairly general rain, heaviest in East Bengal, and diminishing in amount westwards.

The meteorological conditions antecedent to the advent of the rains proper had thus been approximately normal in character. The variations of the distribution of pressure from the mean were extremely small, more especially in March and April. Pressure was slightly higher in East Bengal relatively to the normal, and very slightly lower in Orissa, Chutia Nagpur, and South Behar. The variations were, however, so small as to indicate the absence of those special meteorological conditions which apparently precede serious deficiency of the rain-supply and drought over large areas. The next advance of south-west monsoon winds occurred in the first week of June. It gave rise to the formation of two small storms off the Aracan Coast, which advanced into East Bengal and gave it copious rain. A third and much more powerful advance originated on the 14th or 15th a large depression and storm, which marched across the coast near Saugor Island on the 16th, and drifted west north-westwards into Rajputana, initiating the rains in Western Bengal, Chutia Nagpur, and Behar. The rains proper were thus at least a week later than usual in being established over the greater part of the province. General rain, due to this first large influx of the moisture current of the south-west monsoon, continued in all parts of the province until the 9th or 10th of July, when a feeble depression began to form near the head of the Bay. A partial break in the rains commenced in the western and central districts, and lasted until the 20th or 21st of July, when the depression advanced across Orissa and Chutia Nagpur into Bundelcund. General rain followed and continued until the 10th August. An unusually large proportion of this rainfall was determined to South Behar, and the western districts of South-West Bengal and Chutia Nagpur, where the local conditions gave rise to a slight depression, which continued in existence from the 25th to 30th July. Some excessive rainfalls occurred during this period in that area. Raniganj received 16.89 inches on the 26th, and Hetampore 15.32 inches on the 25th July. A slight break in the rains, chiefly felt in Behar, followed during the generation of another storm in the Bay. This crossed the Ganjam Coast on the 18th of August. Its passage across Orissa into the Central Provinces was accompanied by a large influx of vapour, and hence by general rain throughout the province. It was especially heavy in East and North Bengal.

The monsoon current was unusually strong in September. During the first three weeks, three depressions formed in succession at the head of the Bay, and advanced across the coast of Orissa, through Chutia Nagpur, into South Behar. The indraught to them brought up unusually large supplies of aqueous vapour to all parts of the province. A fourth depression was generated during the last week of the month, which crossed the Ganjam Coast. The rainfall accompanying that disturbance in Bengal was chiefly given to Orissa and South-West Bengal. The rainfall of September was especially abundant in the Gya, Bhagulpore, Dinagepore, and Purneah districts, and in the Sonthal Pergunnahs. Some very heavy falls in 24 hours were recorded. Julpigori received 15.71 inches on the 13th. The rainfall of the month of October was of a very unusual character. A small depression formed at the commencement of the month and marched through Orissa into South Behar. This gave general rain to the province. The southern districts of South Behar and the Hazaribagh district obtained during the latter part of its existence excessive rain, which caused heavy floods in the Sone valley. Two depressions, which marched to the west coast of the Bay during the latter half of October, influenced the weather to a slight extent in Bengal. Occasional thunderstorms occurred in Bengal, and moderately heavy rain in Orissa, Chutia Nagpur and South Behar. The southern districts of East Bengal received moderate rain from a small subsidiary depression which advanced into it on the 20th.

The occurrence and the local distribution of the monsoon rainfall of 1886 has been briefly indicated in the preceding remarks. It only remains to state more fully the variation of the district rainfall, month by month, from the normal fall.

The rainfall of the month of May was either approximately equal to or above the average in all districts, with the exception of Mymensingh, and Julpigori and Cooch Behar. The excess was greatest in South-West Bengal, North Behar, the southern districts of Chutia Nagpur, the Dinagepore and Rungpore districts of North Bengal, the Monghyr district and the Sonthal Pergunnahs, over nearly the whole of which it exceeded 40 per cent. This unusually heavy rainfall in May, due in part to a prolonged atmospheric disturbance in the earlier part of the month, was followed, as is frequently the case, by a slight retardation in the arrival of the monsoon proper, and hence by a general deficiency of rainfall in June.

The rainfall of the month of June was generally below the average, and was very unequally distributed. The Cuttack and Balasore districts obtained from 40 to 50 per cent. above the normal amount. South Behar (excluding the Patna district) received an average of from 15 to 30 per cent. in excess. Over the remainder of the province the rainfall was either approximately normal or in defect. The deficiency exceeded 20 per cent. in the northern districts of East Bengal, the whole of North Bengal (excluding Rajshahye and Maldah), North Behar (excluding Durbhunga and North Bhagulpore), and the Patna district, the Midnapore, Bankoorah, Beerbhoom, and Nuddea districts of South-West Bengal, and the Hazaribagh and Manbhoom districts. The deficiency was actually greatest in the northern districts of North Bengal, where it was very nearly 40 per cent. Hence the rainfall of the month of June was considerably in defect over the great part of North Behar and North Bengal, the northern districts of East Bengal, the northern districts of Chutia Nagpur, and the adjacent districts of South-West Bengal.

The rainfall of the month of July was fairly well distributed and abundant. Balasore, Midnapore, Bogra, Rungpore, Hazaribagh, and Lohardugga were the only districts in which there was a deficiency exceeding 10 per cent. In North and East Bengal the rainfall was generally slightly in excess, except in Noakholly, Dacca and Comillah, where the excess varied from 25 to 50 per cent. The rainfall in South-West Bengal was copious, but very irregularly distributed. The Beerbhoom district was a centre of very heavy rain, and received about 60 per cent. in excess. Hooghly and Nuddea obtained a rainfall 33 per cent. in excess. Behar also received unusually abundant rain. Over the whole of that area (excluding South Bhagulpore and the Sonthal Pergunnahs) the rainfall of the month was from 25 to 100 per cent. above the average. The Patna and Sarun districts formed the centre of heaviest rainfall. Very heavy local downpours occurred in the areas of heaviest precipitation, which gave rise to unusually high floods in Behar. The rainfall of the month of July was hence to a considerable extent opposite in character and distribution to that of the month of June.

The rainfall of the next month (August) was similar in character to that of July. It was generally above the average, and was most abundant in North Behar, North and East Bengal, or those districts which received the smallest amounts at the commencement of the monsoon (*i.e.* in June). In North Behar, the rainfall was abnormally heavy in the Purneah, Durbhunga, Mozufferpore, and Chumparun districts, which received from 60 to 80 per cent. above the average. In East Bengal, Backergunge obtained its normal amount. Over the remainder of that division the rainfall was from 25 to 60 per cent. in excess, the Dacca district being the centre of heaviest rainfall. Over the whole of North Bengal and South Behar, and in the Beerbhoom, Nuddea, Jessore, Khoolna and Moorshedabad districts, the rainfall was generally slightly in excess. Gya, Patna, Pubna and Bogra were the only districts in that area which received an excess slightly exceeding 23 per cent. Orissa, Chutia Nagpur (excluding Hazaribagh), and the south-western districts of South-West Bengal obtained total rainfalls during the month generally slightly less than the normal. The deficiency was considerable (exceeding 25 per cent.) in the Singbhoom, Manbhoom, Howrah, and Midnapore districts.

The rains were unusually persistent and plentiful in the month of September. The rainfall was either normal or above the average in all districts, except Singbhoom (where the deficiency was 32 per cent.) and Backergunge (where it was 7 per cent.) Over the greater part of the province the excess was over 33 per cent. It exceeded 60 per cent. in the Maldah, Dinagepur, and Purneah districts, which formed one centre of excessive rainfall, in the whole of South Behar and Manbhoom, which formed a second centre, and also in Mozufferpore, a third centre. The rainfall was exceptionally heavy in the

Dinagepore, Gya and South Bhagulpore districts, and in the Sonthal Pergunnahs, where it was more than twice the average rainfall of the month. This rainfall was chiefly due to the invasion of an unusually strong moisture current, which gave frequent and prolonged rain, more especially in Behar and North Bengal. There were many cases of intense local rainfall for brief periods, but these were generally not in the districts of largest total precipitation.

The rainfall of the month of October was very unusual in character and distribution. There was a strong influx of aqueous vapour to the greater part of Behar and the adjacent districts of Chutia Nagpur during the first fortnight, which gave unusually heavy rain. The Sarun, Shahabad, Gya, Monghyr, Hazaribagh and Lohardugga districts received total amounts varying from two to four times the normal rainfall of the month. The heaviest precipitation occurred in the Gya, Hazaribagh, and Shahabad districts or in the middle Sone valley, and occasioned severe floods. In Bengal and Orissa the rain fell chiefly during thunderstorms, and was hence very local and capricious in character. North Bengal and East Bengal (excluding Chittagong and Maldah, in which there was a slight excess) received amounts from 10 to 60 per cent. less than the mean fall of the month. Over the greater part of South-West Bengal and in Orissa the rainfall varied very slightly (generally in defect) from the normal. It was deficient in the Bankoora and Midnapore districts and in the 24-Pergunnahs by amounts slightly exceeding 20 per cent.

The preceding sketch has shown that the monsoon rains of 1886 were unusually plentiful. The monsoon was slightly later in being established over the province than usual, and was below its normal strength in June. It gave excessive rain during the months of July and August to the northern and eastern districts of the province, or to North and Central Behar, North and East Bengal, during September and October to South Behar, and in October to Chutia Nagpur. The only districts in which there was a deficiency in the total rainfall of the monsoon period were—Singbhoom, Midnapore, Bankoora, Mymensingh, Backergunge, Rungpore and Julpigori. The deficiency was less than 5 per cent. (or the rainfall practically normal), except in Singbhoom and a portion of Midnapore (represented by the stations of Contai and Tumlook), in which it slightly exceeded 15 per cent. Over the whole of Bengal (with the exception of the districts mentioned above), the monsoon rainfall of 1886 was from 5 to 25 per cent. above the average, the excess, roughly speaking, increasing in amount from east to west and from south to north. It was greatest in the Dacca and Dinagepore districts, for which it was 23 and 22 per cent. respectively. The excess was less marked in Chutia Nagpur and Orissa. In these areas Cuttack and Hazaribagh received the largest excess, the percentage variations for these two districts being 19 and 11 per cent.

The most marked feature of the season was the excessive rainfall over the whole of Behar. It was due rather to steady, prolonged downpours than to occasional violent precipitation, and hence accompanied a continuous determination of the moisture current to that area during the monsoon. It received from 15 to 25 inches above the normal amount. The excess, expressed as a percentage, ranged from 30 per cent. in Chumparun to 59 per cent. in Gya. Gya, Patna, and Sarun formed the centre of this area of abundant rainfall.

To sum up:—

1. The monsoon of 1886 was unusually favourable. It gave abundant rain, lasted until the middle of October in Behar, and until the end of October in Bengal. Its final withdrawal southwards was not followed by the formation of any cyclone entering the province.

2. It was characterized by prolonged periods of general rain rather than by excessive or violent local precipitation. In Bengal, Orissa, and Chutia Nagpur the monthly variations were complementary, slightly deficient rainfall at one period being more than compensated for by excess at another period during the monsoon. In South Behar, and to a less extent in North Behar, the rainfall was excessive throughout the whole season, the Gya, Sarun, and Patna districts apparently forming the centre of an area of favourable abnormal meteorological conditions, and therefore of excessive precipitation.

3. The rainfall in South-West Bengal and Orissa was well distributed throughout the whole season, and was not very excessive in its total amount, in no district except Beerbhoom exceeding the normal by 20 per cent. In East Bengal the rains were very abundant in the earlier monsoon months, but were deficient towards the end of the rains, especially in October. They were

hence not distributed so favourably as in South-West Bengal. The total rainfall of East and North Bengal was either normal or slightly in excess, the greatest excess occurring in the Dacca and Dinagepore districts (23 and 22 per cent. respectively). In Behar the rainfall was more or less in excess throughout the whole season. In Chutia Nagpur it was steadily in defect during the greater part of the rains, the deficiency being greatest in Singbhoom. An unusually heavy fall during the first half of October caused the total rainfall of the period to be slightly in excess in Hazaribagh, Manbhoom and Lohardugga.

4. The following table gives briefly the amount and variation of the rainfall in each of the seven meteorological divisions of the Province, month by month:—

Actual Rainfall.

METEOROLOGICAL DIVISIONS.	May.	June.	July.	August.	September.	October.	Year.
Orissa ...	4.66	12.10	11.11	9.37	15.75	7.25	60.24
South-West Bengal ...	7.83	8.94	14.72	11.71	12.48	3.94	59.62
East Bengal ...	10.30	17.18	19.26	21.38	13.46	3.61	85.19
North Bengal ...	9.64	12.24	15.13	15.82	22.29	2.74	77.86
North Behar ...	4.46	6.78	18.80	17.81	13.82	5.31	66.98
South Behar ...	2.80	7.71	16.05	12.33	16.59	6.74	62.22
Chutia Nagpur ...	2.97	6.58	11.23	10.82	11.62	8.47	51.69

Variation of actual Rainfall from the average in inches.

METEOROLOGICAL DIVISION	May.	June.	July.	August.	September.	October.	Year.
Orissa ...	+ 1.07	+ 3.23	— 1.71	— 2.06	+ 5.28	+ 1.12	+ 6.93
South-West Bengal ...	+ 2.72	— 1.36	+ 2.98	— 1.32	+ 3.58	— 0.54	+ 6.06
East Bengal ...	+ 0.85	— 1.29	+ 2.91	+ 5.80	+ 1.00	— 2.03	+ 7.24
North Bengal ...	+ 1.34	— 5.41	+ 0.80	+ 1.77	+ 9.57	— 2.15	+ 5.92
North Behar ...	+ 1.72	— 1.89	+ 6.56	+ 6.70	+ 4.09	+ 1.91	+ 19.09
South Behar ...	+ 0.82	+ 0.6	+ 4.12	+ 0.98	+ 9.33	+ 3.64	+ 19.75
Chutia Nagpur ...	+ 0.56	— 1.89	— 2.28	— 2.68	+ 2.96	+ 5.75	+ 2.42

Variation expressed in a percentage.

Orissa ...	+ 30	+ 36	— 14	— 19	+ 50	+ 18	+ 13
South-West Bengal ...	+ 53	— 13	+ 26	— 10	+ 40	— 12	+ 11
East Bengal ...	+ 9	— 7	+ 18	+ 37	+ 8	— 36	+ 9
North Bengal ...	+ 16	— 31	+ 6	+ 13	+ 75	— 44	+ 8
North Behar ...	+ 63	— 22	+ 54	+ 60	+ 42	+ 56	+ 40
South Behar ...	+ 41	+ 13	+ 35	+ 9	+ 129	+ 117	+ 46
Chutia Nagpur ...	+ 23	— 22	— 17	— 20	+ 34	+ 211	+ 5

5. The rainfall of the south-west monsoon period of the past seven years in Bengal appears to indicate that it follows some cyclical or periodic law. The following table gives the average provincial rainfall for each of the years 1880-86, and the variation from the average for the monsoon period:—

	1880.	1881.	1882.	1883.	1884.	1885.	1886.
Average actual total rainfall, May-October	66.03	63.00	58.51	50.72	52.60	64.90	69.65
Variation from normal average ...	+ 5.20	+ 2.17	— 2.32	— 10.11	— 8.23	+ 4.07	+ 8.82

6. If the accumulation of rainfall records in Bengal should prove hereafter that the periodic law of variation is of a simple form or character, its determination will be of the utmost importance. It is, however, much more probable that it is of a complex nature, and hence not capable of (approximately) exact induction.

J. ELIOT,

Meteorological Reporter to the Government of Bengal.

TABLE I.

Actual Monthly Rainfall of districts in Bengal for the months May to October 1886.

[N. B.—The figures in this table are the arithmetical averages of the corresponding figures in the returns for the sub-divisional stations.]

DIVISIONS.	DISTRICT.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree ...	3.71	7.74	11.63	9.00	16.31	8.57	56.96
	Cuttack ...	3.54	14.90	11.67	9.94	12.97	8.66	61.68
	Balasore ...	6.24	12.66	10.29	9.15	16.44	5.20	59.98
SOUTH-WEST BENGAL.	South Midnapore and South-West 24-Per-gunnahs.	4.79	7.65	13.43	6.87	16.72	5.39	54.85
	Midnapore ...	7.69	8.75	11.76	10.19	10.13	3.25	51.77
	24 Pergunnahs ...	7.89	9.15	14.61	12.80	13.52	3.31	61.28
	Hooghly, Howrah ...	7.19	9.59	16.44	10.27	12.11	3.52	59.12
	Bankoora ...	5.65	7.11	14.70	11.45	10.37	3.15	52.43
	Beerbhoom ...	3.88	8.61	22.69	12.20	14.61	4.06	66.05
	Burdwan ...	10.03	7.73	13.90	10.89	11.63	3.72	57.90
	Nuddea ...	10.88	7.85	13.62	13.35	10.00	3.67	59.37
	Moorshedabad ...	5.29	9.80	13.29	13.32	14.42	4.00	60.12
EAST BENGAL	Khoolna and Jessore ...	11.61	10.55	13.41	12.26	11.80	4.88	64.51
	Chittagong ...	9.63	34.35	29.48	32.45	15.46	8.39	129.76
	Chittagong Hill Tracts ...	9.62	26.76	24.59	18.92	11.06	3.27	94.22
	Rackerungge ...	10.27	17.49	18.46	16.70	10.10	5.32	78.34
	Noakholly ...	9.42	28.73	33.48	30.10	15.38	4.31	121.42
	Furreedpore ...	12.30	10.92	14.49	14.60	11.57	2.04	65.92
	Dacca ...	10.07	14.72	17.80	20.64	14.09	3.07	80.39
	Comillah ...	12.45	12.54	19.00	22.94	15.02	2.36	84.31
NORTH BEN-GAL.	Mymensingh ...	8.48	11.05	12.26	21.62	14.92	2.93	71.26
	Pubna ...	7.50	7.49	10.06	16.47	15.22	3.37	60.11
	Bogra ...	9.80	10.30	11.31	16.76	16.25	2.82	67.24
	Rajshahye ...	6.89	10.29	12.50	12.33	15.99	2.51	60.51
	Maldah ...	3.67	9.68	13.36	10.93	19.77	4.58	61.99
	Dinagepore ...	8.27	8.24	14.01	13.71	26.73	2.51	73.47
	Rungpore ...	15.64	13.29	12.40	12.98	19.15	2.06	75.52
	Julpigori and Cooch Behar.	10.46	20.25	25.29	22.54	31.54	2.58	112.63
NORTH BEHAR	Darjeeling Hill ...	9.71	30.37	32.06	43.99	23.28	2.15	141.56
	Purneah, North Bhagul-pore.	6.14	9.41	20.25	20.80	18.89	2.81	78.30
	Darbhunga ...	4.04	7.69	16.78	19.72	10.03	5.51	63.77
	Mozufferpore ...	3.36	4.84	16.73	15.49	14.56	5.02	60.00
	Chumparun ...	4.46	4.36	14.76	20.09	12.37	5.91	61.95
SOUTH BEHAR	Saran ...	3.19	5.01	23.18	11.72	9.38	9.18	61.66
	Shahabad ...	1.05	7.55	16.31	8.91	12.11	8.68	54.61
	Gya ...	1.81	6.50	16.18	14.04	17.35	7.75	63.63
	Patna ...	1.64	4.50	20.40	14.50	12.13	6.22	59.39
	Monghyr and South Bhagulpore.	3.01	8.46	13.65	9.96	17.15	6.44	58.67
CHUTIA NAG-PUR.	Sonthal Pergunnahs...	5.23	10.14	14.91	13.99	21.57	5.36	71.20
	Hazaribagh ...	2.44	6.82	11.00	12.90	12.51	10.37	56.04
	Lohardugga and Man-bhoom.	3.03	6.19	10.38	9.56	12.10	6.92	48.18
	Singbhoom ...	5.33	7.52	13.62	5.50	6.33	5.10	43.40

TABLE II.

*Variation of the average district actual Monthly Rainfall from the normal average for the months
May to October 1886.*

DIVISIONS.	DISTRICTS.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree ...	+0.82	-1.02	-0.44	-3.16	+5.65	+0.47	+2.32
	Cuttack ...	+0.31	+5.10	-0.67	-0.60	+3.10	+2.73	+9.97
	Balasore ...	+1.83	+3.67	-2.48	-2.34	+4.76	-0.31	+5.13
SOUTH-WEST BENGAL.	South Midnapore and South-West 24-Pergunnahs.	+0.02	-3.14	-1.64	-7.67	+4.79	-2.41	-10.05
	Midnapore ...	+2.53	-1.00	-0.58	-3.79	+1.62	-1.19	-2.41
	24-Pergunnahs ...	+2.08	-0.95	+2.46	-0.03	+4.61	-0.92	+7.25
	Hooghly and Howrah ...	+1.73	-0.50	+3.79	-3.34	+3.46	-0.66	+4.48
	Bankoora ...	+1.92	-2.81	+1.56	-2.03	+1.44	-0.99	-0.91
	Beerbhoom ...	+0.87	-1.47	+9.83	-1.08	+4.70	+0.55	+13.40
	Burdwan ...	+5.21	-1.69	+2.94	-1.24	+3.83	-0.56	+8.49
	Nuddea ...	+4.45	-2.18	+3.38	+1.24	+1.42	-0.65	+7.66
	Moorshedabad ...	+0.76	+0.80	+2.52	+1.52	+4.34	-0.50	+9.44
EAST BENGAL	Khoolna and Jessore	+4.73	-1.92	+2.04	+0.16	+4.11	+0.38	+9.50
	Chittagong ...	-0.19	+4.95	-1.55	+8.22	+0.81	+1.57	+13.81
	Chittagong Hill Tracts	-0.01	+6.30	+6.64	+2.48	-1.81	-4.27	+9.33
	Backergunge ...	+2.68	-2.54	+0.19	+0.57	-2.09	-0.25	-1.44
	Noakhally ...	-0.93	+2.07	+11.17	+6.49	-1.41	-2.39	+15.00
	Furreedpore ...	+3.63	-1.74	+1.98	+2.43	+2.46	-2.47	+6.29
	Dacca ...	+0.63	+1.28	+3.80	+7.72	+2.98	-1.56	+14.85
	Comillah ...	+1.75	-4.48	+4.54	+6.62	+3.05	-2.99	+8.49
	Mymensingh ...	-1.42	-5.71	-1.06	+7.25	+1.62	-2.55	-1.87
NORTH BENGAL.	Pubna ...	+0.14	-3.94	-0.83	+4.20	+4.54	-1.23	+2.88
	Bogra ...	+1.81	-2.29	-2.25	+4.70	+5.67	-1.76	+5.88
	Rajshahye ...	+0.72	-0.29	+0.61	+0.82	+4.71	-2.23	+4.34
	Maldah ...	-0.43	-1.62	+1.44	-1.50	+8.81	+0.81	+7.51
	Dinagepore ...	+2.78	-5.30	+0.24	+1.83	+14.90	-1.11	+13.34
	Rungpore ...	+4.69	-7.94	-1.89	+0.47	+5.67	-2.67	-1.67
	Julpigoree and Cooch Behar.	-2.82	-11.01	+3.13	+1.33	+7.94	-2.87	-4.30
	Darjeeling Hill ...	-0.48	+2.17	+0.26	+14.29	+5.02	-4.50	+16.76
NORTH BEHAR	Purneah, North Bhagulpore.	+1.95	-2.12	+6.06	+7.32	+6.39	-0.83	+18.77
	Durbhunga ...	+1.66	-0.06	+5.05	+9.18	+0.47	+2.61	+18.91
	Mozufferpore ...	+1.21	-2.12	+5.44	+5.30	+5.91	+1.79	+17.53
	Chumparun ...	+1.89	-3.83	+2.73	+7.58	+3.30	+2.46	+14.13
	Sarun ...	+1.22	-1.49	+11.09	+1.42	+1.76	+5.06	+19.06
SOUTH BEHAR	Shahabad ...	+0.05	+1.96	+4.28	-1.97	+4.67	+5.43	+14.42
	Gya ...	+0.34	+0.87	+4.17	+2.65	+10.54	+4.94	+23.51
	Patna ...	-0.08	-1.78	+8.56	+4.07	+4.76	+3.07	+18.60
	Monghyr and South Bhagulpore.	+0.90	+1.33	+2.31	-0.83	+9.26	+2.95	+15.92
	Sonthal Pergunnahs...	+1.88	+0.93	+2.12	+2.06	+11.13	+1.57	+19.60
CHUTIA NAGPUR.	Hazaribagh ...	+0.23	-1.96	-2.51	-0.25	+3.11	+7.01	+5.63
	Lohardugga and Manbhoom.	+1.12	-1.43	-1.58	-2.64	+4.26	+3.37	+3.10
	Singbhoom ...	+1.85	-0.89	-0.50	-8.07	-2.91	+1.85	-8.67

TABLE III.

The variation of the average district Monthly Rainfall expressed as a percentage of the normal rainfall for the months May to October 1886.

DIVISIONS.	DISTRICTS.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree ...	+28	-12	-4	-3	+53	+6	+4
	Cuttack ...	+10	+52	-5	-6	+31	+46	+19
	Balasore ...	+41	+41	-19	-20	+41	-6	+9
SOUTH-WEST BENGAL.	South Midnapore and South-West 24-Pergunnahs.	0	-29	-11	-53	+40	-31	-15
	Midnapore ...	+49	-10	-5	-27	+19	-27	-4
	24-Pergunnahs ...	+36	-9	+20	0	+52	-22	+13
	Hooghly and Howrah	+32	-5	+30	-25	+40	-16	+8
	Bankoora ...	+51	-28	+12	-15	+16	-24	-2
	Beerbhoom ...	+29	-15	+76	-8	+47	+16	+25
	Burdwan ...	+108	-18	+27	-10	+49	-13	+17
	Nuddea ...	+69	-22	+33	+10	+17	-15	+15
	Moorshedabad ..	+17	+9	+23	+13	+43	-11	+19
EAST BENGAL	Khoolna and Jessore	+69	-15	+18	+1	+53	+8	+17
	Chittagong ...	-2	+17	-5	+34	+6	+23	+12
	Chittagong Hill Tracts	0	+31	+37	+15	-14	-57	+11
	Backergunge ...	+35	-13	+1	+4	-17	-4	-2
	Noakholly ...	-9	+8	+50	+27	-8	-36	+14
	Furreedpore ...	+42	-14	+16	+20	+27	-55	+11
	Dacca ...	+7	+10	+27	+60	+27	-34	+23
	Comillah ...	+16	-26	+31	+41	+25	-56	+11
	Mymensingh ...	-14	-34	-8	+50	+12	-47	-3
NORTH BEN-GAL.	Pubna ...	+2	-34	-8	+34	+43	-27	+5
	Bogra ...	+23	-18	-17	+39	+54	-38	+10
	Rajshahye ...	+12	-3	+5	+7	+42	-47	+8
	Maldah ...	-10	-14	+12	-12	+80	+21	+14
	Dinagepore ...	+51	-39	+2	+15	+126	-31	+22
	Rungpore ...	+43	-37	-13	+4	+42	-56	-2
	Julpigori and Cooch Behar.	-21	-35	+14	+6	+34	-53	-4
	Darjeeling Hill ...	-5	+8	+1	+43	+27	-68	+13
NORTH BEHAR	Purneah and North Bhagulpore.	+41	-18	+43	+54	+51	-23	+32
	Durbhanga ...	+70	-1	+43	+87	+5	+90	+42
	Mozufferpore ...	+42	-30	+48	+52	+68	+55	+41
	Chumparun ...	+74	-47	+23	+61	+36	+71	+30
	Sarun ...	+62	-23	+92	+14	+23	+123	+45
SOUTH BEHAR	Shahabad ...	+5	+35	+36	-18	+63	+167	+36
	Gya ...	+23	+15	+35	+23	+155	+176	+59
	Patna ...	-5	-28	+72	+39	+65	+97	+46
	Monghyr and South Bhagulpore.	+43	+19	+20	-8	+117	+85	+37
	Sonthal Pergunnahs...	+56	+10	+17	+17	+106	+41	+38
CHUTTA NAG-PUR.	Hazaribagh ...	+10	-22	-18	-2	+33	+209	+11
	Lohardugga and Manbhoom.	+58	-19	-13	-22	+54	+95	+7
	Singbhoom ...	+53	-11	-4	-59	-32	+57	-17

TABLE IV.

Monthly Rainfall of the Sub-divisional Rainfall-recording Stations in the Province of Bengal for the months of May to October 1886.

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
WEST BENGAL.	Pooree	Pooree ...	3.37	7.13	10.55	6.18	14.78	6.14	48.15
		Khurdah ...	5.85	11.73	8.53	9.17	17.57	9.46	62.31
		Banpur ...	0.86	4.19	9.66	13.43	17.89	13.19	59.22
		False Point ...	4.74	7.90	17.78	7.23	15.01	5.47	58.13
		Gop ...	0.53	7.25	15.60	13.90	16.97	7.37	61.62
		Pipili ...	Nil	7.96	9.08	5.89	?	?	22.93?
	Cuttack	Jagatsingapore ...	1.51	15.70	14.21	10.44	14.83	7.85	64.54
		Banki ...	3.97	13.68	11.24	8.02	10.69	8.76	56.36
		Cuttack ...	5.44	20.02	11.03	8.63	13.99	11.77	70.88
		Kendrapara ...	4.26	11.61	11.94	6.82	10.85	8.96	54.44
		Jajpore ...	2.52	13.50	9.91	15.79	14.49	5.94	62.15
		Dharmasalla ...	5.93	8.79	10.02	14.55	11.64	10.40	61.33
	Balasore	Salipore ...	?	9.81	9.92	9.52	9.19	?	
		Chandbali ...	5.96	10.96	7.46	8.76	16.57	5.25	54.96
		Bhuddruck ...	8.78	11.22	8.15	7.29	17.33	4.49	57.26
		Sorah ...	6.47	10.73	10.81	9.48	16.29	6.90	60.68
		Balasore ...	5.76	14.40	11.17	11.96	17.82	5.65	66.76
		Jellasore ...	3.94	17.62	14.56	7.34	14.19	4.93	62.58
	Midnapore	Baripodah ...	6.53	11.02	9.58	10.05	16.45	3.96	57.59
		Contai ...	4.29	7.91	11.75	3.39	14.46	3.71	45.51
		Saugor Island ...	3.55	9.37	13.24	8.56	20.47	8.95	64.14
		Tumlook ...	7.30	10.50	11.60	7.60	11.10	2.70	50.80
		Midnapore ...	7.51	7.40	9.50	11.29	8.57	4.43	48.72
		Ghatal ...	8.26	8.35	14.17	11.68	10.72	2.59	55.77
		Devog ...	5.37	4.83	11.46	4.62	15.17	1.39	42.84
		Hera ...	6.10	7.80	12.34	5.63	17.64	2.21	51.72
	24-Pergunnahs.	Bhagwanpore ...	10.08	10.27	8.90	7.50	10.48	1.29	48.52
		Garbeta ...	7.54	8.03	10.91	7.55	11.84	4.56	50.43
		Diamond Harbour ...	6.54	5.67	15.31	8.66	15.23	3.50	54.91
		Canning Town ...	8.30	5.57	16.31	14.77	15.18	1.83	61.96
		Alipore Jail ...	7.79	11.72	15.72	8.81	15.38	3.78	63.20
		Barrackpore ...	6.11	6.03	15.56	14.22	12.32	2.86	57.10
	Howrah	Dum-Dum ...	7.42	8.93	14.10	12.97	11.90	1.22	56.54
		Baraset ...	6.61	11.42	12.16	13.94	1.23	2.82	59.18
		Buseerhat ...	11.54	7.64	15.50	14.06	15.78	5.88	70.40
	Hooghly	Howrah ...	8.64	9.06	14.18	8.41	12.42	4.64	57.35
		Mohesreka (Oolberiah) ...	7.54	9.07	16.98	8.44	12.41	4.42	58.86
		Serampore ...	6.27	6.78	15.76	13.77	14.30	2.61	59.49
	Burdwan	Hooghly ...	8.88	8.62	15.42	10.53	11.35	1.77	56.57
		Jehanabad ...	4.63	14.41	19.84	10.20	10.08	4.14	63.30
		Culina ...	10.69	7.64	12.29	13.11	11.05	4.50	59.28
	Bankoora	Burdwan ...	8.09	10.52	17.38	9.00	13.81	2.34	61.14
		Cutwa ...	11.30	5.04	12.04	10.55	10.04	4.33	53.30
		Mankur ...	5.40	8.64	18.29	14.03	14.01	4.24	64.61
		Raneegunge ...	3.52	9.11	31.45	8.93	10.08	3.58	66.67
	Kotalpore	Bankoora ...	5.10	6.54	14.26	10.97	10.86	2.97	50.70
		Bishenpore ...	8.01	7.64	13.00	9.35	11.65	1.78	51.43
		Maliara ...	5.34	7.81	17.90	15.80	8.80	2.70	58.35
		Khatra ...	4.13	6.45	13.63	9.66	10.16	5.14	49.17
		Indas ...	7.67	10.77	12.25	7.8	10.56	2.21	51.44
		Kotalpore ...	4.72	6.53	13.38	9.77	8.76	1.81	44.97

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH- WEST BENGAL— concid.	Bankoora,— concluded.	Anda ...	2.60	4.00	6.90	11.88	11.02	1.10	37.50
		Gangajalghati ...	5.16	11.17	16.44	10.70	10.14	4.41	58.02
		Raipore ...	5.96	8.69	15.10	10.60	9.56	5.76	55.67
		Souamukhi ...	5.19	8.33	7.48	5.20	11.34	0.80	38.34
	Beerbhoom	Bh. Soory ...	4.35	10.88	14.06	14.82	17.33	5.38	66.82
		Hetampore ...	3.11	9.28	27.38	8.77	15.92	1.63	66.09
		Rampore Haut... Bolpore ...	4.52	5.16	17.85	16.29	15.12	5.65	64.59
			8.15	10.58	21.57	9.74	12.64	2.64	65.32
	Nuddea ...	Ranaghat ...	9.30	9.95	14.67	7.78	9.87	3.31	59.88
		Kishnaghur ...	8.14	7.77	10.78	13.39	12.51	3.16	55.75
		Chooadanga ...	15.97	6.14	14.43	15.05	6.06	3.22	60.87
		Meherpore ...	10.80	6.16	12.45	13.39	9.25	3.75	55.80
		Kooshtea ...	10.20	9.24	15.78	17.14	12.32	4.93	69.01
	Khoolna ...	Satkhiria ...	9.30	6.36	14.76	12.86	12.45	6.31	62.04
		Bagirhat ...	5.59	14.81	19.05	16.95	14.62	7.42	78.44
		Khoolna ...	10.25	12.57	8.21	10.63	10.25	1.77	58.68
	Jessore ...	Narail ...	10.12	11.07	9.95	13.18	11.02	2.13	57.47
		Jessore ...	8.21	8.87	15.86	17.74	13.87	5.03	69.58
		Jhenidah ...	15.76	10.44	13.52	12.57	9.15	5.20	66.64
		Magoora ...	21.63	12.53	13.17	7.08	9.42	6.13	69.96
		Bongong ...	12.04	7.71	12.78	7.03	13.61	5.01	58.18
	Moorshed- abad.	Kandi ...	5.01	6.78	15.69	11.57	9.71	4.37	53.13
		Berhampore ...	5.33	7.90	11.93	11.82	17.30	3.69	57.97
		Lalbagh ...	4.78	9.76	15.24	13.66	12.91	4.25	60.60
		Amizgunge ...	5.39	11.85	10.66	14.97	13.39	4.66	60.92
		Jungipore ...	5.36	12.38	12.76	15.26	20.24	3.10	69.10
		Lalgola ...	5.84	10.12	13.46	12.66	12.95	3.93	58.96
		Akhrigunge ...	?	?	11.31	9.97	14.48	4.53	40.29
	Chittagong...	Cox's Bazar ...	7.70	27.73	39.37	31.21	16.14	11.83	133.98
		Chittagong ...	11.56	40.97	19.58	33.68	14.79	4.94	125.52
		Kutubdia ...	6.85	27.01	32.89	23.27	14.28	11.11	115.41
		Satkanya ...	8.93	39.59	28.72	15.38	14.74	5.33	112.69
	Chittagong Hill Tracts.	Rangarnati ...	9.82	25.48	28.39	21.88	11.86	3.70	101.13
		Ruma ...	9.43	28.03	20.78	15.95	10.26	2.84	87.29
	Backer- gunge.	Patuakhally ...	9.83	19.78	15.51	17.64	12.79	4.33	79.83
		Perozepore ...	12.43	17.81	21.25	15.68	8.96	3.79	79.92
		Burrisal ...	10.14	13.38	16.43	13.50	7.67	3.01	64.13
		Bhola ...	8.66	18.98	20.64	19.99	10.99	10.16	89.42
		Gournaddi ...	8.96	10.46	18.93	15.22	8.50	4.20	66.27
		Bauphal ...	12.15	17.26	18.05	19.25	13.72	6.48	86.91
EAST BENGAL.	Noakholly...	Noakholly ...	10.05	27.22	28.31	30.66	17.12	2.67	116.03
		Fenny ...	8.80	30.23	38.64	29.54	13.63	5.95	126.74
		Harishpore (Sun- dip) ...	10.04	29.64	34.12	30.59	26.13	12.99	143.51
		Ramganj ...	12.33	20.61	21.02	30.81	11.50	0.62	96.88
	Furreedpore	Madaripore ...	7.48	18.08	15.59	19.16	9.72	1.70	71.73
		Furreedpore ...	15.70	7.55	13.92	13.33	12.61	2.34	65.40
		Goalundo ...	13.73	7.12	13.97	11.32	12.37	2.07	60.50
	Dacca ...	Munshigunge ...	11.95	21.41	22.23	24.16	17.23	3.27	100.23
		Dacca ...	7.62	14.85	16.33	19.38	11.78	1.82	71.74
		Naraingunge ...	10.81	17.28	19.60	22.04	16.13	2.27	88.10
		Maniekgunge ...	9.88	5.33	13.03	16.96	11.20	4.91	61.31
		Joydebpore ...	6.15	13.69	12.14	18.59	19.81	1.88	72.20
	Hill Tipperah...	Agartola ...	12.38	8.21	16.89	21.90	10.66	2.35	72.38

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
EAST BENGAL.	Tipperah ...	Comilla ...	12.60	15.32	22.84	25.42	13.92	2.05	92.15
		Chandpore ...	10.85	20.05	17.60	23.65	19.30	2.60	94.05
		Brahmunberia ...	13.98	6.57	18.68	20.78	16.19	2.44	78.64
		Ramchandrapore ...	11.48	8.91	16.10	20.38	10.66	3.69	71.22
		Nasirnagar ...	9.85	9.21	13.04	19.77	4.11	6.86	62.84
		Daudkandi ...	7.50	17.41	17.75	14.57	16.71	3.19	77.13
		Kasba ...	14.13	6.91	17.19	24.90	12.15	1.08	76.36
		Laksham ...	6.75	18.99	25.94	28.05	13.24	0.98	93.95
	Mymensingh ...	Kishoregunge ...	8.46	9.92	15.84	28.39	11.99	2.52	77.12
		Atia (Tanoail) ...	5.96	7.66	9.31	18.78	10.36	4.96	57.03
		Mymensingh ...	9.76	13.58	13.72	18.27	15.69	2.84	73.86
		Jamalpore ...	7.00	7.30	9.73	13.38	22.73	3.02	63.16
		Netrokona ...	11.23	16.81	12.71	29.28	13.82	1.32	85.17
		Subornakhally ...	7.93	6.43	8.13	13.13	9.19	0.69	45.50
		Durgapore ...	?	?	?	?	18.54	2.45	
		Dewanganj ...	12.70	10.89	9.58	12.71	17.93	0.94	64.75
	Pubna ...	Pubna ...	8.17	6.52	10.01	17.58	15.51	5.49	63.28
		Serajgunge ...	6.84	8.46	10.10	15.36	14.94	1.24	56.94
	Bogra ...	Sherpore ...	7.65	12.24	13.63	16.53	13.02	1.60	64.67
		Nowkhilla ...	10.81	7.03	10.13	20.15	12.52	2.70	63.34
		Bogra ...	8.71	10.89	10.91	17.40	17.23	2.64	67.78
		Panchibibi ...	12.04	11.04	10.58	12.96	22.23	4.35	73.20
	Rajshahye ...	Beauleah ...	6.63	11.81	15.10	12.21	15.02	1.97	62.74
		Nattore ...	7.16	8.77	9.91	12.45	16.95	3.04	58.28
		Noagaon ...	8.33	10.82	13.38	13.01	22.08	2.02	69.64
		Lalpor ...	9.54	8.64	11.09	13.62	15.83	4.32	63.04
		Manda ...	6.50	7.02	11.00	13.47	17.20	3.59	58.78
NORTH BENGAL.	Maldah ...	Maldah ...	4.16	14.80	12.95	12.00	20.83	7.50	72.24
		Chanchal ...	3.19	4.56	13.77	9.85	18.71	1.66	51.74
		Gajol ...	3.41	6.49	15.98	16.66	21.77	2.95	67.26
		Sibgunj ...	7.30	9.60	10.43	12.98	20.98	2.99	64.28
	Dinapore ...	Mohadebpore ...	7.31	10.56	12.40	12.48	31.55	4.81	79.11
		Churamon ...	4.39	6.51	16.68	13.17	22.84	1.54	65.13
		Raigunge ...	5.92	8.14	14.47	22.23	35.57	2.13	88.46
		Dinapore ...	15.87	7.24	12.50	12.82	21.12	2.49	72.04
		Baloorghat ...	7.86	8.73	14.00	7.87	22.56	1.57	62.59
	Rungpore ...	Bhawanigunge ... (Gyabanda).	13.04	9.03	10.07	8.72	14.54	1.01	56.41
		Rungpore ...	13.17	10.72	12.82	13.86	18.94	1.46	70.97
		Kurigram ...	20.86	20.03	12.15	16.47	19.20	4.23	92.94
		Bagdogra ... (Nilphamari).	15.48	13.37	14.57	12.86	23.91	1.55	81.74
		Ulipore ...	19.76	14.17	8.25	11.46	19.33	2.61	75.58
	Julpigoree ...	Julpigoree ...	10.01	18.00	36.58	27.12	35.90	1.58	129.19
		Alipore Doar ...	12.80	37.54	22.11	30.93	30.85	6.27	140.50
		Fallacotta ...	13.38	22.29	18.29	25.07	22.44	1.93	103.40
		Debiganj ...	?	11.24	20.35	13.28	21.81	1.71	68.39?
	Cooch Behar ...	Dinhatta ...	8.95	14.28	16.90	11.77	31.44	2.47	85.81
		Cooch Behar ...	11.50	23.98	18.76	21.14	32.19	4.64	112.21
		Mickligunge ...	12.01	18.64	32.12	24.52	20.61	2.02	118.92
		Matabhanga ...	9.84	26.36	22.07	28.16	28.55	2.17	117.15
	Darjeeling Hill.	Buxa ...	16.13	44.45	57.07	66.33	41.13	2.67	227.78
		Siliguri ...	8.27	37.25	28.59	46.36	22.48	2.23	145.18
		Darjeeling ...	8.98	22.18	27.69	37.47	20.26	1.99	118.57
		Kalimpong ...	5.45	17.60	14.87	25.79	9.23	1.71	74.65

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
NORTH BEHAR.	Purneah	Kissengunge ...	8.29	12.49	24.19	29.56	29.57	1.15	105.25
		Arrareah ...	7.91	7.32	30.42	18.49	22.53	2.69	89.36
		Purneah ...	2.35	10.14	17.52	28.17	20.16	2.63	80.97
		Gonawara ...	2.12	?	?	?	?	?	?
		Balarampore ...	1.54	5.55	?	21.54	29.59	2.24	60.46?
		Matari ...	11.79	10.24	16.66	20.26	19.92	1.00	79.87
	North Bha- gulpore.	Kahagan ...	5.70	?	?	?	?	?	?
		Maddapore ...	3.19	9.26	14.77	14.83	11.42	4.62	58.09
		Soopool ...	8.94	7.85	14.36	12.95	10.76	2.94	57.80
	Durbhunga...	Protapganj ...	5.98	6.47	17.49	13.15	19.23	1.86	64.28
		Tajpore ...	6.02	8.54	19.43	24.25	10.31	9.52	78.07
		Durbhunga ...	2.10	5.06	14.57	18.82	9.89	5.38	55.82
		Madhubani ...	4.01	9.48	16.33	16.08	9.88	1.62	57.40
		Bahera ...	2.20	4.61	12.02	24.26	21.11	3.86	68.06
	Mozufferpore	Rashera ...	1.35	7.88	19.49	15.38	19.82	5.63	69.55
		Sitamarhi ...	4.20	3.70	14.46	12.06	17.06	3.74	55.22
		Mozufferpore ...	3.92	6.77	14.30	20.61	14.39	6.00	65.99
		Hajipore ...	1.95	4.04	21.43	13.80	12.22	5.32	58.76
		Paru ...	1.64	4.88	15.90	18.11	5.92	4.36	50.81
		Mahua ...	1.58	3.60	14.27	12.55	11.47	11.15	54.62
		Sinhar ...	3.10	8.11	10.76	19.17	9.32	9.61	60.07
	Chumparun	Fupri ...	5.64	4.35	13.87	17.05	13.02	3.83	57.76
		Motihari ...	4.20	4.11	12.99	15.50	13.17	3.88	53.85
		Bettiah ...	4.73	4.60	16.52	24.67	11.57	7.94	70.03
		Bagaha ...	9.44	4.88	16.31	23.62	5.04	3.24	62.53
	Sarun	Burhura ...	2.34	3.97	11.51	10.09	15.17	6.14	49.22
		Gopalgunge ...	3.28	5.28	22.35	9.40	11.13	6.55	57.99
		Sewan ...	2.78	4.03	21.56	13.87	7.94	8.75	58.93
	Shahabad	Chuprah ...	3.50	5.73	25.62	11.89	9.08	12.23	68.05
		Buxar ...	0.56	8.87	15.71	5.15	10.63	7.07	47.99
		Dehree ...	0.30	2.27	13.84	9.62	12.99	9.37	48.39
		Bhubooah ...	1.86	7.72	16.67	8.71	7.97	8.42	51.41
		Sasseram ...	0.56	6.46	15.62	6.49	15.05	7.70	51.88
SOUTH BEHAR.	Gya	Arrah ...	1.22	7.14	17.23	15.28	14.78	11.46	67.11
		Durgaoti ...	?	5.30	9.15	4.77	3.35	5.10	27.67?
		Aurangabad ...	1.28	8.43	13.72	13.47	18.04	9.08	64.02
		Gya ...	1.53	5.93	20.66	14.09	16.86	5.81	64.88
		Nowadah ...	3.01	5.83	14.07	13.68	17.63	8.70	62.92
		Jehanabad ...	1.42	5.80	16.25	14.93	16.87	7.39	62.66
		Arwal ...	2.28	4.02	14.65	11.49	12.89	8.35	53.68
		Daudnagar ...	0.40	6.20	21.17	6.54	12.70	6.20	53.21
		Sherghati ...	0.50	5.22	9.59	7.21	18.35	16.09	56.96
	Patna	Rajauli ...	5.30	?	?	7.45	?	8.80	21.56?
		Pakri Barawan ...	2.20	4.52	20.50	27.65	6.75	5.02	66.64
		Patna ...	1.52	4.83	22.09	18.27	12.11	5.84	64.66
		Dinapore ...	1.65	4.23	25.96	19.03	10.54	8.80	70.21
	Monghyr	Behar ...	1.38	5.40	14.43	10.20	14.76	6.70	52.87
		Barrh ...	2.00	3.55	19.10	10.50	11.10	3.55	49.80
		Beegooserai ...	1.31	9.20	8.98	9.78	11.73	8.07	49.07
		Monghyr ...	3.15	6.39	17.30	11.05	21.67	4.88	64.44
		Jamui ...	2.08	8.47	17.87	8.53	11.11	9.50	57.56
	South Bha- gulpore.	Gogri ...	0.61	6.29	11.83	12.79	17.20	2.87	51.59
		Sheikpura ...	3.68	5.08	13.57	11.83	14.47	12.74	61.37
		Bhagulpore ...	2.66	7.08	13.23	10.47	25.61	3.76	62.81
	South Bha- gulpore.	Banka ...	5.86	11.17	10.85	9.97	15.60	5.97	59.42
		Kotgong ...	1.66	6.76	13.35?	6.20	15.91	6.80	50.63?

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH BEHAR —concluded.	Sonthal Per- gunnahs.	Rajmehal ..	5.82	13.83	15.06	10.84	39.07	3.24	87.86
		Godah ...	5.58	6.26	11.58	15.46	12.21	3.83	54.92
		Pakour ...	6.95	12.31	18.87	16.51	23.76	5.92	84.32
		Nya Doomka ...	3.78	9.40	18.56	15.99	21.85	2.81	72.39
		Deoghur ...	5.05	9.67	12.57	12.19	15.77	5.20	60.45
		Jamtara ...	4.23	9.38	12.81	12.93	16.74	11.16	67.25
		Simra ...	4.76	8.34	12.95	11.64	15.12	2.80	55.61
		Nanihat ...	6.11	7.75	12.98	13.56	?	?	40.40?
	Hazaribagh	Pachamba (Giridi) ...	2.60	6.09	11.83	14.87	16.33	7.74	59.46
		Hazaribagh ...	3.72	6.44	11.63	12.15	9.47	11.88	55.29
		Semtagurah ...	2.73	4.95	10.90	10.70	8.58	12.55	50.41
		Mahudi Hills ...	0.77	8.92	12.14	14.28	10.68	8.30	55.09
		Jhoomra Hills ...	2.40	7.70	8.50	12.50	17.40	11.40	59.90
		Barhi ...	2.04	6.10	16.15	8.71	19.72	12.10	64.82
		Chatra ...	2.15	7.06	17.45	10.47	18.91	9.07	65.11
		Karagdiha ...	1.95	8.95	14.75	13.46	8.86	10.48	58.45
CHUTIA NAGPUR.	Lohardugga	Ramghar ...	1.55	7.19	12.49	8.61	8.38	12.88	51.10
		Lohardugga ...	5.02	12.08	13.18	8.85	11.58	6.17	56.88
		Ranchee ...	4.40	7.24	11.66	13.90	8.92	6.53	52.65
		Palamow ...	2.14	6.63	6.41	7.91	14.04	9.35	46.48
		Silli ...	0.47	3.40	19.70	?	9.70	3.60	36.87?
		Balumat ...	—	5.60	10.70	6.59	22.56	5.30	50.75
	Singbhoom	Hosseinabad ...	0.25	5.24	10.32			9.13	24.94
		Garwah ...	2.34	7.39	9.95	15.20	16.59	7.77	59.24
		Ohyebassa ...	5.33	7.52	13.62	5.50	6.33	5.10	43.40
		Chakradharpore ...	3.80	7.21	17.21	7.46	13.68	6.90	56.26
	Manbhoom...	Ghatsilla ...	4.73	3.98	15.81	12.15	11.65	7.04	55.36
		Baharagura ...	5.36	9.54	9.59	8.50	9.40	6.83	49.22
		Purulia ...	4.12	5.78	12.36	7.38	12.66	2.86	45.16
		Gobindpore ...	1.47	5.11	11.10	9.04	12.76	8.94	48.42
		Raghunathpore ...	5.51	6.96	11.35	9.08	14.71	5.51	53.12
		Barrabhoom ...	2.96	4.33	12.92	5.50	6.08	5.49	37.28
	Chas	Jhalda ...	?	4.68	?	10.15	?	5.19	20.02?
		Chas ...	4.46	5.35	14.29	12.72	13.77	8.62	59.21

TABLE V.

Variation of the Sub Divisional actual Monthly Rainfall from the normal average for the months May to October 1886.

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree	Pooree	+0.75	-0.82	+0.32	-4.73	+4.65	-2.16	-1.91
		Khurdah	+2.35	+2.02	-4.26	-3.53	+6.90	+2.42	+5.91
		Banpur	-1.34	-3.57	-1.46	+1.91	+7.35	+6.66	+9.51
		False Point	+1.50	-1.71	+3.66	-6.27	+3.73	-5.04	-4.11
	Cuttack	Jagatsingapore	-1.08	+7.55	+2.97	+0.16	+5.97	+0.66	+16.21
		Banki	+1.46	+2.31	-1.36	+0.41	-0.41	+4.06	+6.41
		Cuttack	+2.21	+9.35	-1.53	-2.52	+4.21	+6.00	+17.71
		Kendrapara	+0.48	+2.88	-0.13	-6.00	+1.44	+2.50	+1.11
		Jajpore	-1.52	+3.44	-3.30	+4.94	+4.30	+0.41	+8.21
	Balasore	Chandbali	+1.58	+2.72	-4.74	-2.66	+4.97	-1.24	+0.61
		Bhuddruck	+4.00	+1.91	-4.06	-3.46	+6.32	-0.28	+4.41
		Sorah	+1.87	+3.95	-1.50	-1.69	+4.63	+1.10	+8.31
		Balasore	+1.13	+4.03	-0.74	-0.61	+5.09	-1.21	+7.61
		Jellasore	+0.52	+9.41	-0.60	-3.71	+3.42	+0.17	+9.21
		Baripodah	+1.88	-0.01	-3.24	-1.94	+4.14	-0.39	+0.41
	Midnapore	Contai	-0.20	-3.02	-2.88	-10.40	+2.50	-5.01	-19.01
		Saugor Island	-1.03	-2.10	-2.86	-6.99	+7.64	-0.44	-5.71
		Tumlook	+2.33	+1.25	+0.15	-6.50	+2.72	-1.88	-1.91
		Midnapore	+2.25	-2.52	-2.65	-0.82	+0.21	-0.66	-4.11
		Ghattal	+3.00	-1.74	+0.75	-4.06	+1.92	-1.05	-1.11
		Garbeta	+2.99	+0.58	-1.58	-4.99	+2.07	+1.38	+0.41
	24-Pergunnahs	Diamond Harbour	+1.30	-4.30	+0.82	-5.62	+4.24	-1.80	-5.31
		Alipore Jail	+2.48	+1.36	+2.55	-4.82	+5.50	-0.72	+6.31
		Barrackpore	+1.01	-3.19	+3.45	+1.98	+4.78	-0.62	+7.41
		Dum-Dum	+1.71	-1.16	+2.09	+0.03	+2.87	-3.10	+2.41
		Baraset	+0.50	+1.38	+1.31	+1.78	+3.07	-1.68	+6.31
		Buseerhat	+4.74	-3.14	+2.88	+0.90	+6.86	+1.55	+13.71
	Howrah	Howrah	+3.70	-2.23	+1.67	-4.34	+3.10	+0.32	+2.21
		Mohesreka (Ooloberiah).	+1.07	-0.16	+3.70	-4.94	+3.65	+0.76	+4.01
	Hooghly	Serampore	+1.34	-3.29	+2.99	+1.12	+6.24	-1.71	+6.61
		Hooghly	+3.05	-1.56	+3.37	-2.29	+3.49	-2.27	+3.71
		Jehanabad	-0.50	+4.75	+7.18	-6.27	+0.82	-0.44	+5.51
SOUTH-WEST BENGAL.	Burdwan	Culna	+5.97	-1.00	+1.59	+1.31	+4.41	+0.45	+12.71
		Burdwan	+3.12	+0.73	+5.08	-3.40	+5.59	-2.30	+8.81
		Cutwa	+6.54	-4.78	+2.15	-1.65	+1.50	+0.18	+3.91
		Raneegunge	+0.57	+0.63	+17.68	-4.49	+2.74	+0.03	+17.11
	Bankoora	Bankoora	+1.70	-3.28	+1.52	-1.16	+2.02	-1.75	-0.91
		Bishenpore	+2.60	-2.76	+1.77	-4.72	+2.14	-1.06	-2.01
		Maliara	+2.47	-1.36	+4.51	+1.54	+2.19	-1.49	+7.81
		Khatra	+0.88	-3.85	-1.57	-3.80	-0.59	+0.35	-8.51
		Raipur	+2.02	+0.51	+4.01	-5.10	-1.00	+1.98	+2.41
	Beerbhoom	Bh. Soory	+1.35	+0.52	+1.52	+1.08	+7.38	+1.67	+13.51
		Hetampore	+0.09	-2.65	+13.09	-3.72	+4.84	-1.17	+10.41
		Rampore Haut	+1.55	-4.37	+7.01	+3.14	+3.87	+1.67	+12.81
	Nuddea	Ranaghat	+4.08	+0.15	+4.39	-5.13	+3.12	-0.56	+6.01
		Kishnaghur	+1.71	-1.88	+0.81	+2.43	+4.65	-1.32	+6.41
		Choodadanga	+7.92	-3.33	+4.65	+2.82	-4.07	-1.28	+6.71
		Meherpore	+5.54	-3.73	+2.38	+1.09	+1.21	+0.01	+6.51
		Kooshtea	+3.03	-2.10	+4.67	+4.98	+2.22	-0.09	+12.71

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH- WEST BENGAL —concl'd.	Khoolna ...	Satkira ...	+3.09	—6.38	+2.43	+0.44	+3.39	+1.71	+4.68
		Bagirhat ...	—1.29	+0.34	+4.31	+4.24	+4.41	+2.25	+14.26
		Khoolna ...	+3.76	—0.39	—3.53	—1.86	+0.41	—2.48	—4.09
	Jessore ...	Narail ...	+3.12	—0.47	+0.64	+2.25	+3.49	—1.25	+7.78
		Jessore ...	+0.69	—4.44	+4.23	+5.93	+4.61	—0.56	+10.46
		Jhenidah ...	+9.13	—2.47	+3.62	—0.50	—0.11	+0.54	+10.21
		Magoora ...	+13.43	+0.67	+2.58	—3.11	+1.02	+2.33	+16.92
		Bongong ...	+5.94	—2.22	+2.07	—6.11	+5.69	+0.43	+5.80
	Moorsheadabad ...	Kandi ...	+0.75	—2.45	+3.61	—0.33	+0.26	+0.34	+2.18
		Berhampore ...	+0.54	—1.75	+1.63	+1.01	+7.53	—1.59	+7.37
		Lalbagh ...	+0.34	+0.73	+5.09	+1.10	+2.65	+0.08	+9.99
		Azimgunge ...	+1.10	+2.87	+0.62	+2.14	+3.86	—0.58	+10.01
		Jungipore ...	+0.98	+3.79	+1.94	+3.70	+9.51	—0.58	+19.34
		Lalgola ...	+0.85	+1.61	+2.23	+1.53	+2.22	—0.66	+7.78
	Chittagong ...	Cox's Bazar ...	—2.85	—7.53	—0.83	+4.19	+0.78	+3.95	—2.29
		Chittagong ...	+2.47	+17.42	—2.29	+12.25	+0.86	—0.82	+29.89
	Chittagong Hill Tracts.	Rangamati ...	—0.27	+6.79	+9.22	+3.36	—1.07	—3.52	+14.51
		Ruma ...	+0.26	+5.81	+4.05	+1.59	—2.55	—5.01	+4.15
	Backergunge	Patuakhally ...	+1.39	—3.40	—6.12	+0.34	—0.34	—1.90	—10.03
		Perozepore ...	+5.57	+0.93	+5.23	+0.64	—2.61	—2.00	+7.76
		Burrisal ...	+2.40	—3.96	—0.21	+0.44	—4.02	—1.51	—6.86
		Bhola ...	+1.34	—3.73	+1.87	+0.89	—1.37	+4.42	+3.42
	Noakholly ...	Noakholly ...	+0.53	+2.70	+7.34	+7.73	+0.28	—4.88	+13.70
		Fenny ...	—2.38	+1.44	+14.98	+5.25	—3.11	+0.09	+16.27
SOUTH- EAST BENGAL.	Furreedpore	Madaripore ...	—1.95	+4.63	+2.85	+6.50	+1.03	—2.55	+10.51
		Furreedpore ...	+6.93	—5.69	+1.28	+1.02	+2.92	—2.12	+4.34
		Goalundo ...	+5.92	—4.18	+1.82	—0.21	+3.42	—2.74	+4.03
	Dacca ...	Munshigunge ...	+2.29	+4.69	+6.10	+8.73	+4.33	—2.29	+23.85
		Dacca ...	—1.59	+1.51	+3.50	+6.99	+1.62	—3.39	+8.64
		Naraingunge ...	+1.09	+3.59	+4.78	+9.91	+3.14	—1.51	+21.00
		Manickgunge ...	+0.72	—4.66	+0.83	+5.24	+2.80	+0.94	+5.87
	Hill Tipprah	Agartola ...	+1.42	—6.31	+4.82	+8.02	—0.08	—2.49	+5.38
		Comilla ...	+2.00	—3.51	+4.46	+8.90	+2.13	—3.14	+10.84
	Tipperah ...	Chandpore ...	+0.57	+0.87	+2.06	+1.48	+6.01	—3.92	+7.07
		Brahmunberia ...	+3.01	—8.96	+6.84	+8.07	+4.14	—2.42	+10.68
SOUTH- EAST BENGAL.	Mymensingh	Kishoregunge ...	—2.04	—8.56	+2.56	+14.95	—1.49	—2.85	+2.57
		Atia ...	—1.32	—5.37	—2.15	+6.54	+0.10	+0.01	—2.19
		Mymensingh ...	—2.04	—7.12	—2.83	+3.53	+1.49	—2.56	—9.53
		Jamalpore ...	—1.86	—7.70	—2.98	—0.31	+8.47	—2.02	—6.40
		Netrokona ...	+0.18	+0.24	+0.12	+11.53	—0.49	—5.39	+6.19
	Pubna ...	Pubna ...	+1.09	—5.50	—0.52	+4.59	+4.08	+0.68	+4.42
		Serajgunge ...	—0.79	—2.38	—1.15	+3.81	+5.02	—3.16	+1.35
	Bogra ...	Sherpore ...	—1.00	+0.26	—0.03	+3.53	+2.88	—2.61	+3.03
		Nowkhilla ...	+3.06	—5.11	—1.35	+8.93	+2.89	—2.33	+6.09
		Bogra ...	+0.06	—4.20	—5.34	+4.86	+5.25	—2.10	—1.47
		Panchbibi ...	+5.14	—0.09	—2.25	+1.50	+11.58	+0.03	+61.01
SOUTH- EAST BENGAL.	Rajshahye ...	Beauleah ...	+1.10	+1.02	+3.40	+1.35	+4.10	—2.89	+8.08
		Nattore ...	+0.35	—1.59	—2.17	+0.29	+5.31	—1.57	+0.62
SOUTH- EAST BENGAL.	Maldah ...	Maldah ...	+0.52	+4.74	+2.26	+1.92	+9.98	+3.10	+22.52
		Chanchal ...	—1.36	—7.98	+0.61	—4.92	+7.65	—1.47	—7.47

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
NORTH BENGAL —concl'd.	Dinagepore	Mohadebpore ...	+1.38	—2.61	+1.64	—1.27	+19.50	+1.55	+20.19
		Churamon ...	+0.55	—5.65	+4.37	+2.17	+9.99	—1.18	+10.25
		Raigunge ...	+0.15	—5.61	+2.23	+9.63	+24.65	—1.37	+29.68
		Dinagepore ...	+8.64	—9.65	—2.59	—0.19	+8.18	—2.39	+2.00
		Baloorghat ...	+3.16	—3.08	—4.26	—1.17	+12.18	—2.25	+4.58
	Rungpore ...	Bhawanigunge (Gyabanda). ...	+4.49	—7.31	—2.57	—1.85	+2.69	—4.06	—8.61
		Rungpore ...	+2.73	—10.39	—3.50	+1.02	+5.62	—3.50	—8.02
		Kurigram ...	+7.06	—2.69	—2.04	+5.84	+6.35	—0.43	+14.09
		Bagdogra (Nilphamari). ...	+4.47	—11.38	+0.58	—3.15	+8.03	—2.69	—4.14
	Julpigoree ...	Julpigoree ...	—1.20	—10.62	+10.32	+1.50	+11.61	—3.95	+7.66
	Cooch Behar	Dinhatta ...	—5.41	—18.87	—0.31	—2.49	+8.59	—2.97	—21.47
		Cooch Behar ...	—3.07	—11.69	—4.18	—0.37	+9.58	—0.97	—10.70
		Mickligunge ...	—0.72	—8.58	+9.77	+2.44	+6.00	—2.74	+6.17
		Matabhanga ...	—3.67	—5.30	+0.02	+5.59	+3.92	—3.72	—3.16
	Darjeeling Hill.	Buxa ...	—4.86	—0.83	+8.36	+22.41	+8.72	—7.78	+26.02
		Siliguri ...	+1.83	+14.69	+1.50	+21.13	+1.96	—2.04	+48.07
		Darjeeling ...	+1.72	—3.37	—3.48	+10.75	+1.93	+4.64	+2.91
		Kalimpong ...	—0.62	—1.82	—5.37	+2.85	—1.56	—3.53	—10.05
	Purneah ...	Kissengunge ...	+2.94	—3.11	+7.19	+13.68	+15.31	—2.09	+33.92
		Arrareah ...	+2.68	—5.82	+13.96	+4.94	+8.69	—0.84	+23.61
		Purneah ...	—0.93	—1.06	+3.21	+13.62	+5.75	—1.36	+19.23
	North Bha- gulpore.	Maddapore ...	—0.37	+0.66	+2.93	+2.93	+1.38	—0.04	+7.49
		Soopool ...	+5.41	—1.28	+3.00	+1.43	+0.83	+0.18	+9.57
Durbhunga	Tajpore ...	+3.97	+1.22	—6.91	+13.81	+1.95	+6.31	+34.17	
	Durbhunga ...	—0.18	—2.56	—2.61	+7.64	+0.01	+2.41	+9.93	
	Madhubani ...	+1.21	+1.17	+5.63	+6.09	—0.57	—0.9	+12.63	
Mozufferpore	Sitamarhi ...	+1.60	—3.78	+3.60	+2.95	+7.31	+1.22	+12.88	
	Mozufferpore ...	+1.58	+0.14	+3.46	+9.65	+5.65	+2.86	+23.34	
	Hajipore ...	+0.43	—2.74	+9.35	+3.32	+4.75	+1.28	+16.39	
Chumparun	Motihari ...	+1.78	—3.89	+1.92	+3.08	+4.62	+0.33	+7.84	
	Bettiah ...	+2.02	—3.78	+3.54	+12.07	+1.98	+4.59	+20.42	
Sarun	Gopalgunge ...	+0.42	—1.37	+8.87	—1.38	+4.47	+1.04	+12.05	
	Sewan ...	+1.00	—2.79	+9.50	+3.10	—0.86	+4.85	+14.80	
	Chuprah ...	+2.24	—0.59	+14.90	+2.55	+1.68	+9.27	+30.05	
Shahabad ...	Buxar ...	—0.17	+3.93	+4.46	—4.87	+3.29	+3.82	+10.46	
	Bhuboah ...	+0.82	+2.32	+4.25	—2.84	+1.19	+5.29	+11.03	
	Sasseram ...	—0.40	+1.15	+3.79	—5.20	+7.92	+4.07	+11.33	
	Arrah ...	—0.05	+0.44	+4.61	+5.03	+6.26	+8.53	+24.83	
Gya	Aurangabad ...	+0.03	+2.87	+1.65	+0.62	+10.55	+6.22	+21.94	
	Gya ...	+0.35	—0.29	+8.73	+4.53	+9.82	+3.34	+26.48	
	Nowadah ...	+1.04	+0.20	+2.37	+2.97	+10.52	+6.00	+23.10	
	Jehanabad ...	—0.04	+0.69	+3.92	+2.51	+11.26	+4.20	+22.54	
Patna	Patna ...	+0.01	—2.03	+11.57	+8.35	+3.96	+2.93	+24.78	
	Dinapore ...	+0.40	—2.29	+14.45	+7.46	+3.53	+5.63	+29.18	
	Behar ...	—0.65	—1.19	+1.59	—0.43	+8.16	+3.86	+10.88	
	Barrh ...	—0.08	—1.60	+6.61	+0.92	+3.38	+0.36	+9.58	
Monghyr ...	Beegooserai ...	—0.70	+3.00	—2.16	+0.02	+4.60	+4.86	+9.62	
	Monghyr ...	+1.33	—0.36	+6.02	+0.32	+13.23	+0.95	+21.44	
	Jamui ...	+0.10	+1.90	+5.47	—2.93	+3.61	+6.85	+15.00	
SOUTH BEHAR.									

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL
SOUTH BEHAR.	South Bha- gulpore.	Bhagulpore ...	+0.21	-1.19	+2.02	-0.27	+17.55	-0.38	+17.94
		Banka ...	+3.56	+3.32	+0.16	-1.30	+7.26	+2.45	+15.45
	Sonthal Per- gunnahs.	Rajmehal ...	+1.77	+3.18	+2.09	+0.88	+26.41	+0.09	+34.42
		Godah ...	+2.93	-0.74	+0.67	+3.84	+2.11	+0.64	+9.45
		Pakour ...	+2.75	+0.75	+7.25	+4.32	+11.53	+1.69	+28.29
		Nya Doomka ...	+0.61	+0.12	+4.76	+2.33	+11.15	-1.41	+17.56
		Deoghur ...	+2.17	+1.38	-0.84	+0.83	+6.86	+0.57	+10.97
		Jamtara ...	+1.11	+0.88	-0.64	+0.13	+8.70	+7.87	+18.05
	Hazaribagh	Pachamba ...	+0.46	-2.20	-1.35	+2.50	+7.41	+4.45	+11.27
		Hazaribagh ...	+2.12	-1.89	-0.99	-0.58	+1.50	+8.47	+8.63
		Semtagurah ...	+0.15	-3.91	-0.91	-1.66	+0.22	+9.34	+3.23
		Mahudi Hills ...	-1.08	+1.76	-0.24	+0.92	+1.70	+5.59	+8.65
		Jhoomrah Hills ...	-0.50	-3.58	-9.04	-2.45	+4.65	+7.23	-3.69
MUTIA NAGPUR.	Lohardugga	Ranchee ...	+2.36	-0.39	-0.58	+1.93	+0.67	+3.34	+7.33
		Palamow ...	+0.99	+0.38	-5.81	-3.69	+6.13	+6.51	+4.51
	Singbhoom ...	Chyebassa ...	+1.85	-0.89	-0.50	-8.07	-2.91	+1.85	-8.67
	Manbhoom...	Purulia ...	+1.53	-2.34	+1.23	-5.18	+4.90	-0.92	-1.78
		Gobindpore ...	-0.40	-2.37	-1.15	-3.64	+5.31	+4.56	+2.31

TABLE VI.

Percentage variation of the monthly Rainfall of the Sub-divisional Rainfall-registering Stations in Bengal, from the normal average rainfall for the months May to October 1886.

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
ORISSA	Pooree	Pooree ...	+ 29	- 10	+ 3	-43	+46	- 26	- 4
		Khurdah ...	+ 67	+ 21	- 33	-28	+65	+ 34	+10
		Banpur ...	- 61	- 46	- 13	+17	+70	+102	+19
		False Point ...	+ 46	- 18	+ 26	-46	+33	- 48	- 7
	Cuttack	Jagatsingapore ...	- 42	+ 93	+ 26	+ 2	+67	+ 9	+34
		Banki ...	+ 58	+ 20	- 11	+ 5	- 4	+ 86	+13
		Cuttack ...	+ 68	+ 88	- 12	-23	+43	+104	+33
		Kendrapara ...	+ 13	+ 33	- 1	-47	+15	+ 39	+ 2
		Jajpore ...	- 38	+ 34	- 25	+46	+42	+ 7	+15
	Balasore	Chandbali ...	+ 36	+ 33	- 39	-23	+43	- 19	+ 1
		Bhuddruck ...	+ 84	+ 21	- 33	-32	+57	- 6	+ 8
		Sorah ...	+ 41	+ 58	- 12	-15	+40	+ 19	+16
		Balasore ...	+ 24	+ 39	- 6	- 5	+40	- 18	+13
		Jellasure ...	+ 15	+115	- 4	-34	+32	+ 4	+17
		Baripodah ...	+ 40	0	- 25	-16	+34	- 9	+ 1
	Midnapore...	Contai ...	- 4	- 28	- 20	-73	+21	- 57	-29
		Saugor Island ...	- 22	- 18	- 18	-45	+60	- 5	- 8
		Tumlook ...	+ 47	+ 14	+ 1	-46	+32	- 41	- 4
		Midnapore ...	+ 43	- 25	- 22	- 7	+ 3	- 13	- 8
		Ghatal ...	+ 57	- 17	+ 6	-26	+22	- 29	- 2
		Garbetta ...	+ 66	+ 8	- 13	-40	+21	+ 43	+ 1
	24-Pergun- nahs.	Diamond Harbour	+ 25	- 43	+ 6	-39	+39	- 34	- 9
		Alipore Jail ...	+ 47	+ 13	+ 19	-35	+56	- 16	+11
		Barrackpore ...	+ 20	- 35	+ 29	+16	+63	- 18	+15
		Dum-Dum ...	+ 30	- 12	+ 17	0	+32	- 72	+ 5
		Baraset ...	+ 8	+ 14	+ 12	+15	+34	- 37	+12
		Buseerhat ...	+ 70	- 29	+ 23	+ 7	+77	+ 36	+24
SOUTH- WEST BENGAL.	Howrah	Howrah ...	+ 75	- 20	+ 13	-35	+33	+ 7	+ 4
		Mohesreeka (Ooloo- beriah.)	+ 17	- 2	+ 28	-37	+42	+ 21	+ 7
	Hooghly	Serampore ...	+ 28	- 33	+ 23	+ 9	+77	- 40	+13
		Hooghly ...	+ 52	- 15	+ 28	-18	+44	- 56	+ 7
		Jehanabad ...	- 10	+ 49	+ 57	-38	+ 9	- 10	+10
	Burdwan	Culna ...	+126	- 12	+ 15	+11	+66	+ 11	+27
		Burdwan ...	+ 63	+ 7	+ 41	-27	+68	- 50	+17
		Cutwa ...	+138	- 49	+ 22	-14	+18	+ 4	+ 8
		Raneegunge ...	+ 19	+ 7	+128	-33	+37	+ 1	+35
	Bankoora	Bankoora ...	+ 50	- 33	+ 12	-10	+23	- 37	- 2
		Bishenpore ...	+ 48	- 27	+ 16	-34	+22	- 39	- 4
		Maliara ...	+ 86	- 15	+ 34	+11	+33	- 36	+16
		Khatra ...	+ 27	- 37	- 10	-28	- 6	+ 7	-15
		Raipur ...	+ 51	+ 6	+ 36	-32	- 9	+ 53	+ 5
	Beerbhoom...	Bh. Soory ...	+ 45	+ 5	+ 12	+ 8	+74	+ 45	+25
		Hatampore ...	+ 3	- 22	+ 92	-30	+44	- 42	+19
		Rampore Haut ...	+ 52	- 46	+ 65	+24	+34	+ 42	+25
	Nuddea	Ranaghât ...	+ 78	+ 2	+ 43	-40	+46	- 14	+12
		Kishnaghur ...	+ 27	- 19	+ 8	+22	+59	- 29	+13
		Chooadanga ...	+ 98	- 35	+ 48	+23	-40	- 28	+12
		Meherpore ...	+ 11	- 38	+ 24	+ 9	+15	0	+13
		Kooshtea ...	+ 42	- 19	+ 42	+41	+22	- 2	+22

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH- WEST BENGAL— concl'd.	Khoolna ...	Satkira ...	+50	—50	+20	+4	+37	+37	+8
		Bagirhat ...	—19	+2	+29	+33	+43	+44	+22
		Khoolna ...	+58	—3	—30	—15	+4	—58	—7
	Jessore ...	Narail ...	+45	—4	+7	+21	+46	—37	+16
		Jessore ...	+9	—33	+36	+50	+50	—10	+18
		Jhenidah ...	+138	—19	+37	—4	—1	+12	+18
		Magoora ...	+164	+6	+24	—31	+12	+61	+32
		Bongong ...	+97	—22	+19	—46	+72	+9	+11
	Moorshed- abad.	Kandi ...	+18	—27	+30	—3	+3	+8	+4
		Berhampore ...	+11	—18	+16	+9	+17	—30	+15
		Lalbagh ...	+8	+8	+50	+9	+26	+2	+20
		Azingunge ...	+26	+32	+6	+17	+41	—11	+20
		Jungipore ...	+22	+44	+18	+32	+89	—16	+39
		Lalgolah ...	+17	+19	+20	+14	+20	—14	+15
EAST BEN- GAL.	Chittagong ..	Cox's Bazar ...	—27	—1	—2	+15	+5	+50	—2
		Chittagong ...	+27	+74	—10	+57	+6	—14	+31
	Chittagong Hill Tracts.	Rangamati ...	—2	+36	+48	+18	—8	—49	+16
		Ruma ...	+3	+26	+24	+11	—20	—64	+5
	Backergunge	Patuakhally ...	+16	—15	—28	+2	—3	—30	—11
		Perozepore ...	+81	+6	+33	+4	—23	—35	+11
		Burrisal ...	+31	—23	—1	+3	—34	—33	—10
		Bhola ...	+18	—16	+10	+5	—11	+77	+4
	Noakholly ..	Noakholly ...	+6	+11	+35	+34	+2	—65	+13
		Fenny ...	—20	+5	+63	+22	—19	+2	+15
	Furreedpore	Madaripore ...	—21	+34	+22	+51	+12	—60	+17
		Furreedpore ...	+71	—43	+10	+8	+30	—48	+7
		Goalundo ...	+76	—37	+15	—2	+38	—57	+7
	Dacca ...	Munshigunge ...	+24	+28	+38	+57	+34	—41	+31
		Dacca ...	—17	+11	+27	+56	+16	—65	+14
		Naraingunge ...	+11	+26	+44	+82	+24	—10	+31
		Manickgunge ...	+8	—47	+7	+45	+33	+24	+11
	Hill Tipperah...	Agartolah ...	+13	—44	+40	+59	—1	—51	+8
	Tipperah ...	Comilla ...	+19	—19	+24	+54	+8	—61	+13
		Chandpore ...	+6	+5	+13	+7	+45	—60	+8
		Brahmunberia ...	+28	—58	+61	+64	+35	—50	+16
NORTH BENGAL.	Mymensingh	Kishoregunge ...	—19	—46	+19	+111	—11	—53	+3
		Atia ...	—18	—41	—19	+53	+1	+0	—4
		Mymensingh ...	—17	—34	—17	+24	+10	—47	—11
		Jamalpore ...	—21	—51	—23	—2	+59	—40	—9
		Netrokona ...	+2	+1	+1	+65	—3	—80	+8
	Pubna ...	Pubna ...	+15	—46	—5	+35	+36	+4	+8
		Seraigunge ...	—10	—22	—10	+33	+51	—72	+3
	Bogra ...	Sherpore ...	—12	+2	0	+27	+28	—62	+5
		Nowkhilla ...	+39	—42	—12	+80	+30	—46	+11
		Bogra ...	+1	—28	—33	+39	+44	—44	—2
		Panchbibi ...	+74	—1	—18	+13	+111	+1	+29
	Rajshahye ...	Beauleah ...	+20	+9	+29	+12	+38	—59	+15
		Nattore ...	+5	—15	—18	+2	+46	—34	+1
	Maldah ...	Maldah ...	+14	+47	+21	+19	+92	+70	+45
		Chanchal ...	—30	—64	+5	—33	+69	—47	—13

METEOROLOGICAL DIVISION.	District.	Station.	May.	June.	July.	August.	September.	October.	TOTAL
NORTH BENGAL— concluded.	Dinagepore	Mohadebpore ...	+23	—20	+15	—9	+162	+48	+34
		Churamon ...	+14	—46	+35	+20	+78	—43	+19
		Raigunge ...	+3	—41	+18	+76	+226	—39	+50
		Dinagepore ...	+120	—57	—17	—1	+63	—49	+3
		Baloorghat ...	+67	—26	—23	—1	+117	—59	+8
	Rungpore ...	Bhawanigunge (Gyabanda) ...	+53	—45	—20	—18	+23	—80	—13
		Rungpore ...	+26	—49	—21	+8	+42	—71	—10
		Kurigram ...	+51	—12	—14	+55	+49	—9	+18
		Bagdogra (Nilphamari) ...	+41	—46	+4	—20	+51	—63	—5
	Julpigoree ...	Julpigoree ...	—11	—37	+39	+6	+48	—71	+6
	Cooch-Behar	Dinhatta ...	—38	—57	—2	—17	+38	—55	—20
		Cooch Behar ...	—21	—33	—18	—2	+42	—17	—9
		Mickligunge ...	—6	—32	+44	+11	+26	—58	+5
		Matabhanga ...	—27	—17	0	+25	+16	—63	—3
	Darjeeling Hill	Buxa ...	—23	—2	+17	+51	+27	—74	+13
		Siliguri ...	+28	+65	+6	+84	+95	—48	+50
		Darjeeling ...	+24	—13	—11	+40	+11	—70	+3
		Kalimpong ...	—10	—9	—27	+12	—14	—67	—12
NORTH BEHAR.	Purneah ...	Kissengunge ...	+55	—20	+42	+86	+07	—64	+48
		Arrareah ...	+51	—44	+85	+36	+63	—24	+36
		Purneah ...	—28	—10	+22	+94	+40	—34	+31
	North Bhagulpore.	Mandapore ...	—10	+8	+25	+25	+14	—1	+15
		Soopool ...	+153	—14	+27	+12	+9	+7	+20
	Durbhunga	Tajpore ...	+194	+17	+55	+132	+23	+197	+78
		Durbhunga ...	—8	—34	+22	+68	0	+81	+22
		Madhubani ...	+43	+14	+53	+61	—5	—36	+28
	Mozufferpore	Sitamarihi ...	+62	—51	+33	+32	+75	+48	+31
		Mozufferpore ...	+68	+2	+32	+88	+64	+91	+55
		Hajipore ...	+28	—41	+77	+32	+64	+32	+39
	Chumparun	Motihari ...	+74	—49	+17	+25	+54	+9	+17
		Bettiah ...	+75	—45	+27	+96	+21	+137	+41
	Sarun ...	Gopalgunge ...	+15	—21	+66	—13	+67	+19	+26
		Sewan ...	+57	—41	+79	+29	—10	+124	+34
		Chuprah ...	+179	—9	+139	+27	+23	+313	+79
SOUTH BEHAR	Shahabad ...	Buxar ...	—23	+87	+31	—49	+45	+111	+28
		Bhuboah ...	+79	+43	+34	—25	+18	+168	+27
		Sasseram ...	—4	+22	+32	—44	+111	+112	+28
		Arrah ...	—4	+7	+37	+49	+73	+291	+59
	Gya ...	Aurungabad ...	+2	+52	+14	+5	+141	+218	+52
		Gya ...	+29	—5	+73	+48	+139	+135	+69
		Nowadah ...	+53	+4	+20	+28	+148	+222	+58
		Jehanabad ...	—3	+14	+32	+20	+201	+132	+56
	Patna ...	Patna ...	+1	—30	+110	+84	+49	+101	+62
		Dinapore ...	+32	—35	+126	+65	+50	+178	+71
		Behar ...	—32	—18	+12	—4	+124	+101	+26
		Barrh ...	—4	—31	+53	+10	+44	+11	+24
	Monghyr ...	Begooserai ...	—35	+48	—19	0	+65	+151	+24
		Monghyr ...	+73	—5	+53	+3	+157	+102	+50
		Jamui ...	+5	+29	+44	—26	+48	+258	+35

METEOROLOGICAL DIVISION.	District.	Station	May.	June.	July.	August.	September.	October.	TOTAL.
SOUTH BEHAR — concluded.	South Bha- gulpore ...	Bhagulpore ...	+9	-15	+18	-3	+218	-9	+40
		Banka ...	+155	+42	+2	-12	+87	+70	+35
	Sonthal Per- gunnahs ...	Rajmehal ...	+44	+30	+16	+9	+209	+3	+64
		Godah ...	+111	-11	+6	+33	+21	+20	+21
		Pakour ...	+65	+6	+62	+35	+94	+40	+50
		Nya Doomka ...	+19	+1	+35	+17	+104	-33	+32
		Deoghur ...	+75	+17	-6	+7	+77	+12	+22
		Jamtara ...	+36	+10	-5	+1	+108	+239	+37
	Hazaribagh	Pachamba ...	+21	-27	-10	+20	+83	+14	+23
		Hazaribagh ...	+133	-23	-8	-5	+19	+248	+18
		Semtagurah ...	+6	-44	-8	-13	+3	+291	+7
		Mahudi Hills ...	-58	+25	-2	+7	+19	+206	+19
		Jhoomrah Hills ...	-17	-32	-52	-16	+36	+173	-6
CHUTIA NAGPUR.	Lohardugga	Ranchee ...	+116	-5	-5	+16	+8	+105	+16
		Palamow ...	+86	+6	-48	-32	+77	+229	+11
	Singbhoom...	Chyebassa ...	+53	-11	-4	-59	-31	+57	-17
	Manbhoom...	Purulia ...	+59	-37	+11	-41	+63	-24	-4
		Gobindpore ...	-21	-32	-9	-29	+71	+104	+5

JOHN ELIOT,
Meteorological Reporter to the Government of Bengal.

THE IRON WORKS AT BARAKAR.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

GENERAL—ACCOUNTS.

Dated Calcutta, the 11th January 1887.

THE following list of articles that can be manufactured at the Iron Works at Barákar is published for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secretary to the Government of Bengal,**P. W. Dept.**List of Articles that can be manufactured at the Iron Works at Barákar.*

Number of items.	NAMES OF ARTICLES.	Rate per cwt. at Barákar.		REMARKS.
		Rs	p.	
1	Pipes (socket), cast-iron ...	4	0 0	Faced joints and drilled bolt-holes.
2	Flange pipes, ditto ...	6	0 0	
3	Special piping (bends, tees, &c.) ...	from 7	0 0	
4	Cylinders ...	7	8 0	Faced joints and drilled bolt-holes.
5	Pillars and brackets ...	7	8 0	
6	Girders ...	from 4	0 0	
7	Chairs for rails ...	7	8 0	Faced joints and drilled bolt-holes.
8	D. O. sleepers (cast-iron parts), metre gauge ...	7	8 0	
9	D. O. sleepers (cast-iron parts), broad gauge ...	7	8 0	
10	Road-rammers ...	3	4 0	Faced joints and drilled bolt-holes.
11	Railings ...	3	2 0	
12	Gates ...	5	8 0	
13	Monkeys ...	from 4	8 0	Per cwt.
14	Weights (cast-iron) ...	8	0 0	
15	Anvils ...	8	0 0	
16	Axle-boxes, cast-iron parts only ...	6	0 0	Per gate.
17	Ditto ditto ditto ...	5	0 0	
18	Fire-bars for engines ...	from 5	0 0	
19	Trolley wheels, faced ...	7	0 0	Per cwt.
20	Ploughs (complete) ...	from 6	0 0	
21	Ditto (cast-iron parts only) ...	7	0 0	
22	Hand water-lift ...	from 3	12 0	Per piece.
23	Water-lift for bullock power ...	4	0 0	
24	Castings (cast-iron), of sorts ...	from 1	2 0	
		1	10 0	Ditto.
		1	10 0	
		1	10 0	
		from 30	0 0	Ditto.
		90	0 0	
		3	8 0	
		to		Per cwt., according to weight per piece, complication of pattern, and quantity ordered.
		20	0 0	

N.B.—Further particulars may be obtained from the Superintendent of the Iron Works at Barákar.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 22nd January 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan, Jan. 22, '87	0.01	Weather—cold and damp. Prospects of crops good. Common rice 20 to 33 seers per rupee. Fever still prevails, and cholera in thana Rayna.
	2 Bankura, " 22 "	0.28	Weather—cool and occasionally cloudy. Prospects of <i>rubbee</i> crops continue good.
	Bishenpore " " "	0.14	Rain has benefited standing crops. Public health good.
	3 Beerbhoom, " 22 "	0.81	Weather—cold and cloudy. Reaping of <i>aman</i> nearly completed. Price of common rice stationary. Public health generally good.
	Rampore Haut " " "	0.70	
PRESIDENCY DIVN.	4 Midnapore, " 22 "	0.26	Weather—cold and stormy. Prospects of crops generally fair. Public health normal.
	5 Hooghly, " 22 "		Weather—cold. All prospects favourable. Public health has improved.
	Howrah, " 24 "	0.41	Rain at end of week followed by a fall in temperature. Rice harvest approaches completion. All prospects good.
	Oolooberiah " " "	0.27	
<i>Central Districts.</i>			
PRESIDENCY DIVN.	6 24-Pergha, Jan. 25, '87	0.18	Weather—cold and foggy. Standing crops prospering. <i>Amun</i> paddy is being threshed with good outturn. Isolated cases of cholera reported. Public health otherwise good.
	7 Nuddea, " 22 "	0.40	Weather—damp and cloudy. Prospects of crops continue favourable. Public health has much improved.
	Meherpore " " "	0.15	
	Ranghat " " "	0.57	
	8 Khosia, " 22 "	0.43	Weather—seasonable. Harvesting of <i>aman</i> nearly complete; outturn satisfactory. Public health good.
RAJSHAHY DIVN.	9 Jessore, " 22 "	0.58	Weather—cool and cloudy in latter part of week with slight rain. Harvesting of <i>aman</i> crop nearly completed. Winter crops doing well. Gathering of mustard has commenced. Fever has abated. Public health fair.
	10 Moorshedabad " 22 "	1.25	Weather—seasonable. Some heavy rain. Standing crops benefited by rain. Prospects good.
	Lalbagh " " "	1.51	
	Kandi " " "	1.2	
	Jungipore " " "	0.63	
RAJSHAHY DIVN.	11 Dinagepore, Jan. 21, '87	1.36	Weather—cloudy. Heavy rain. A good outturn of <i>rubbee</i> expected. Rice 21 to 30 seers per rupee. Cholera reported from two thanas.
	12 Rajshahy, " 22 "	0.92	Weather—overcast. Mustard is being gathered. Sugarcane is being cut and pressed. Cholera and fever have abated; a few cases of cholera still reported from Bagmara thana.
	Nowgong " " "	0.80	
	13 Rungpore, " 22 "	0.95	Weather—overcast. Mustard, potato, &c., are being gathered. Cutting and pressing of sugarcane in progress. Public health fair.
	Nipamari " " "	1.32	
DACC DIVISION.	14 Bogra, " 22 "	0.66	Weather—very cold and cloudy. Drizzling rain occasionally. Land is being ploughed for <i>aus</i> , jute, and sugarcane. Mustard and pulses progressing. Price of rice steady. Cholera abating.
	Sherpur " " "	0.99	
	Nowkhilla " " "	0.18	Weather fine and cool. Some rain and cloud on 20th. Outturn of <i>aman</i> crop very good. Prospects of winter crops good. Public health good.
	15 Panna, " 22 "	0.45	Heavy rain in lower hills and Terai. Snow at Darjeeling 5 inches on 20th and 2 inches on 21st. State and prospects of crops favourable.
	16 Darjeeling, " 22 "	0.03	Very unusual weather, excessively cold, and heavy rain lasting over two days. Lower hills covered with snow. Tobacco much injured by hail-stones in places in Alipur sub-division. Otherwise prospects of winter crops fair. Reaping of winter rice nearly over. Public health good.
	17 Julpigoree, " 22 "	1.92	
<i>Eastern Districts.</i>			
DACC DIVISION.	18 Dacca, Jan. 22, '87	0.21	Weather—cool and foggy. Pressing of sugarcane going on. Pulses are being gathered. Winter crops doing well. Prospects good. Cholera decreasing. Public health otherwise good.
	19 Furreedpore, " 22 "	0.17	Weather—cold and cloudy. <i>Amun</i> paddy harvested; outturn good. General health good.
	20 Backergunge, " 21 "	Nil	Weather—seasonable. Prospect of crops good. Harvesting of <i>aman</i> nearly finished. Fever of a bad type continues to prevail in some places, and a few cases of cholera and small-pox reported.
	21 Mymensingh, " 21 "	Figures not furnished.	General rain on night of 20th. Weather cloudy. Mustard is being gathered. Ploughing for rice general. Prospects good.
	22 Chittagong, " 25 "	2.01	Weather—cold. Reaping of <i>aman</i> nearly over. Rain has much benefited spring crops. Prices steady. A few cases of cholera in the town; public health otherwise good.
CHITTAGONG DIVN.	23 Noakhali, " 21 "	Nil	Weather—seasonable, and rainy since night of 20th. Harvesting of <i>aman</i> paddy completed; outturn on the whole good. Winter crops doing well. Cholera prevails in certain places.
	24 Tipperah, " 20 "	0.06	Weather—seasonable. Winter crops promising. Sugarcane is being pressed. Mustard is being reaped. Lands are being ploughed for the next rice crop. Price of rice not very high. Many deaths from cholera reported in north and west.
	25 Chittagong Hill Tracts, " 18 "	Nil	Weather—very cold. Foggy up to 10 A.M. Gathering of cotton nearly over. Sugarcane is being pressed. Prospects of tobacco and chillies not very good. <i>Jum</i> cutting in some parts has commenced.
	Hi. Tipperah, " 19 "	Nil	Weather—cold. Prospects of winter crops fair. Tobacco is being cut. Public health good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PAUNA DIV.	26 Patna. Jan. 22, '87	0.94	Weather—cold and rainy. Rain on 19th and 20th, it is feared, will do some injury to crops in flower. Public health generally good.
	27 Gaya. " 22 "	0.42	Weather—clouds and rain till yesterday (21st); clear now. Rice harvest very good. <i>Rubbee</i> very promising. Poppy good in some places, but damaged by grubs to a considerable extent. Public health good.
	28 Sheikhabad. " 22 "	0.96	Weather—cool with occasional clouds. Crop prospects continue favourable.
	Buxar " " "	0.50	Weather unfavourable to poppy, being cloudy, cold, and rainy for some days.
	Sasseram " " "	0.96	Public health fair.
	Bhabhua " " "	0.30	
	29 Darbhanga. " 22 "	1.51	Weather—variable; latter part of week cloudy. Rain has, to a certain extent, done injury to <i>rahar</i> and other <i>rubbee</i> crops which are in flower. It will, however, benefit late sowings. Prices rising. Public health generally good.
BRAGULPUR DIV.	30 Mozufferpore. " 22 "	1.11	Weather—very cold and stormy with moderate rain, which will injure the earlier <i>rubbee</i> crops, but will benefit the later ones. Caterpillars still reported among the poppy, but it is thought that the outturn will be as good as in last year. Public health good.
	Hajipur " " "	0.60	
	Sitamarhi " " "	1.20	
	31 Saran. " 22 "	1.25	Weather—cloudy. Prospects of <i>rubbee</i> and poppy continue favourable. Harvesting of paddy completed. Pressing of sugarcane in full progress. Public health good.
	Sewan " " "	1.39	
	Gopalgunge " " "	1.33	
	32 Champaran. " 22 "	1.14	Weather—cool and cloudy. Rain somewhat injurious to <i>rubbee</i> crops. Prices stationary. Public health fair.
	33 Monghyr. Jan. 22 "	2.12	Weather—cold and mostly overcast with occasional morning fogs. Rain heavy for the season, and said to do some injury to pulses in flower; otherwise prospects continue good. Sporadic cholera reported from Begusarai; otherwise public health generally good. Prices easy.
	Begusarai " " "	0.55	
	Jamui " " "	0.37	
BRAGULPUR DIV.	34 Bhognipore. " 22 "	1.82	Weather—very cold. Rain has benefited <i>rubbee</i> crops. Mustard and <i>kalai</i> are being reaped. Linseed and <i>khesari</i> in flower. Public health good.
	35 Purneah. " 22 "	2.34	Weather—cold. Heavy rain of 20th is said to have injured the <i>tori</i> that had been reaped and was waiting to be threshed. Other <i>rubbee</i> crops have been benefited by rain. Public health good.
	Kishengunge " " "	1.02	
	Arrareah " " "	2.02	
	36 Maidah. " 22 "	1.02	Weather—fine at the beginning of week, but rainy and unsettled during the last three days. Winter rice is still being harvested in some parts with good outturn. Harvesting of <i>kalai</i> and mustard also going on, with very fair outturn. Prospects of <i>rubbee</i> crops good. Common rice selling at from 24 to 28 seers per rupee. Public health good.
	Chanchal " " "	0.05	
	Shibgunge " " "	0.90	
BRAGULPUR DIV.	Gazole " " "	0.96	
	37 Sonthal Pergah. " 22 "	1.29	Weather—cold and cloudy. Rain will greatly benefit standing crops, but will prove somewhat injurious to paddy still on the threshing floor. Sugarcane at Jantara is being pressed. Prices of food-grains stationary. Public health fair.
	Jamtara " " "	0.94	
	Deoghur " " "	0.06	
BRAGULPUR DIV.	Rajmahal " " "	0.83	
	Godda " " "	1.16	
ORISSA.			
ORISSA DIV.	38 Cuttack. Jan. 21 "	Nil	Weather—mornings cool, becoming warm. <i>Sarad</i> rice and <i>rubbee</i> crops are being gathered, the former with fair and the latter with indifferent outturn. <i>Dalua</i> and sugarcane doing well. Public health generally good; a few cases of cholera in some places in the interior.
	39 Pooree. " 20 "	Nil	Weather—seasonable. Harvesting of late <i>sarad</i> rice still going on. Mustard and other <i>rubbee</i> crops are being gathered. <i>Dalua</i> crop thriving. Common rice 26 seers 10 chittacks per rupee in Sudder sub-division, and 27 seers 14 chittacks in Khoorda sub-division. Fever and cholera reported from the mofussil.
	40 Balasore. " 21 "	Nil	Weather—seasonable. Harvesting of paddy still continues at places. <i>Rubbee</i> crops doing well. Fever and cholera reported from the interior; otherwise public health good.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
41	Hazaribagh. Jan. 21, '87	1.72	Heavy rain on 19th and 20th. Weather still very cloudy to-day (21st). Prospects of <i>rubbee</i> crops excellent. No further report regarding poppy crop received. A few cases of small-pox and cattle disease. General health good.
42	Lohardugga. " 22 "	1.49	Weather—unsettled; rain with wind. <i>Rubbee</i> prospects fair. Prices as before.
	Palamow " " "	2.22	General health good.
43	Singbhum. " 21 "	Rain on 21st.	Weather—cloudy during week. Cold weather crops doing well. Cattle-disease in Kokpara thana less. General health good.
44	Manbhum. " 22 "	0.41	Weather—cloudy and cold with occasional slight rain. Sugarcane is being pressed. Prospects of winter crops good. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 25th January 1887.P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE
15TH JANUARY 1887.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Num. osr.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
BENGAL.																
Western Districts.																
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan	14 0	17 4	15 0	...	...	...	20 8	20 8	11 4	26 10	26 10	16 8	...	...	...
2	Bankoora	16 0	18 0	16 8	24 0	24 0	18 8	20 0	22 8	18 8	24 6	30 0	22 8	...	...	...
3	Peerbhoom	20 0	20 0	15 0	...	...	...	19 8	19 8	13 8	25 8	25 8	18 0	...	...	20 0
4	Midnapore	16 0	17 0	12 0	...	...	...	18 0	17 0	16 0	27 0	25 0	22 8	...	...	...
5	Hooghly	15 0	16 0	16 0	...	...	...	10 0	10 0	10 0	17 0	17 0	13 0	...	...	...
	Howrah	14 12	15 0	15 0	...	...	...	13 0	13 8	8 14	17 8	18 0	13 0	...	...	...
Central Districts.																
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
6	Calcutta	14 10	14 10	14 4	21 0	21 3	19 15	9 6	9 6	6 4	17 0	16 12	...	13 6	13 6	13 0
	24-Pergunnahs	16 0	14 4	14 0	21 8	21 4	17 12	8 0	8 0	8 0	19 13	18 4	12 8	...	...	...
7	Nuddea	17 4	16 0	16 13	32 0	32 0	...	17 12	16 0	12 0	20 2	20 0	13 14	...	...	...
8	Khoolna	...	...	...	...	...	...	18 0	17 0	14 0	21 0	21 0	16 0	...	...	...
9	Jessore	16 0	16 0	12 4	...	...	...	14 0	14 0	13 4	21 0	21 0	17 0	...	...	...
10	Moorshedabad	17 0	17 0	16 0	...	...	...	20 0	13 0	14 0	24 0	25 8	18 0	...	...	...
11	Dinagapore	13 4	11 0	14 12	22 8	20 0	17 8	22 12	21 8	16 0	26 4	27 8	29 0	...	...	...
12	Rajshahye	20 0	20 0	15 0	45 0	48 0	...	19 8	18 0	11 4	22 8	22 8	19 11	...	...	...
13	Rungpore	17 0	17 0	18 0	...	...	...	18 0	18 0	12 0	21 0	23 10	22 0	...	...	...
14	Bogra	18 12	15 0	15 0	...	...	...	15 12	15 0	12 0	25 8	24 0	24 0	...	...	...
15	Pabna	20 0	22 8	16 8	...	...	...	8 0	8 0	8 4	26 4	26 4	20 0	...	...	...
16	Darjeeling	10 0	11 0	8 0	10 0	10 0	8 0	5 0	5 0	5 0	15 0	14 0	12 0	...	...	...
17	Julpigoree	13 0	13 4	13 0	20 0	20 0	20 0	14 0	18 0	13 0	26 0	26 0	26 0	...	...	...
Eastern Districts.																
18	Dacca	16 0	16 0	14 0	26 0	26 0	26 0	16 0	15 0	14 8	17 0	17 0	18 8	...	...	...
19	Furreedpore	17 0	20 0	16 0	25 0	26 0	20 0	16 0	16 0	13 8	21 0	22 0	16 0	...	...	...
20	Backergunge	...	...	...	...	...	...	16 0	15 0	13 0	18 0	17 4	16 0	...	...	...
21	Mymensingh	13 0	13 0	11 8	...	...	...	13 0	12 4	13 0	17 8	18 0	18 0	...	...	...

A In sub-divisions retail prices of salt per rupee were:—Culina 13½ seers, Haheegunge 13½ seers and Cutwa 13½ seers.

B In Rampore Hat retail price of salt 13 seers per rupee.

C In Tumlook and Contai sub-divisions retail price of salt 11 seers per rupee.

D In sub-divisions retail prices of salt per rupee were:—Serampore 12 seers and Jehanabad 13½ seers.

E In sub-divisions retail prices of salt per rupee were:—Barasat and Bussirhat 12 seers, Diamond Harbour (at Kulpihat 12½ seers, Barrackpore 12½ seers and Dum-Dum 11 seers.

F In sub-divisions retail prices of salt per rupee were:—Koochta 11½ seers, Meherpore 12 seers, Chocadanga 13 seers and Ranaghat 12½ seers.

G In Satkhira and Bagirhat sub-divisions retail price of salt 11 seers per rupee.

Districts of Bengal during the Fortnight ending the 15th January 1887.

WHOLESALE PRICES PER MAUND OF 40 SEERS.									AVERAGE WAGES PER MONTH.									DISTRICTS.
SALT.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			SYCE OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.				
A	13 4	13 9	13 8	2 15 9	2 14 9	2 15 0	8 0	8 0	7 0	6 8	6 8	6 0	10 0	10 0	10 0	Burdwan.		
													to	to	to			
													15 0	15 0	15 0	Bankoora.		
													to	to	to			
B	12 8	12 8	12 8	3 2 0	3 1 6	3 2 0	5 10	5 8	6 0	4 0	4 0	4 0	7 8	7 0	7 8	Beerbhoom.		
													to	to	to			
													to	to	to	Midnapore.		
													to	to	to			
C	12 0	12 0	12 0	3 2 0	3 2 0	3 2 0	4 0	4 0	4 0	4 0	4 0	5 0	8 0	8 0	8 0	Hooghly.		
													to	to	to			
													to	to	to	Howrah.		
													to	to	to			
D	12 0	12 8	12 8	3 1 2	3 0 3	3 1 2	6 8	5 10	6 0	5 0	6 0	6 0	7 8	7 8	7 8	Calcutta.		
													to	to	to			
													to	to	to	24-Pergunnahs.		
													to	to	to			
E	13 0	13 0	13 9	3 0 6	3 0 6	2 14 0	7 8	7 8	7 8	5 0	5 0	5 0	0 0	10 0	10 0	Nuddea.		
													to	to	to			
													to	to	to	Khoolna.		
													to	to	to			
F	0	12 0	13 0	3 2 0	3 2 0	3 0 0	7 8	7 8	15 0	7 0	7 0	7 0	20 0	20 0	20 0	Jessore.		
													to	to	to			
													to	to	to	Moorsshedabad.		
													to	to	to			
G	10 8	10 8	12 0	3 12 0	3 12 0	3 4 0	8 0	9 0	9 0	6 0	6 0	6 0	15 0	15 0	15 0	Dinapore.		
													to	to	to			
													to	to	to	Rajshahye.		
													to	to	to			
H	10 12	10 12	11 12	3 3 0	3 3 0	3 0 0	7 8	7 8	7 8	6 0	6 0	6 0	15 0	15 0	15 0	Burgpore.		
													to	to	to			
													to	to	to	Bogra.		
													to	to	to			
I	12 0	12 0	12 0	3 5 0	3 5 0	3 5 0	5 0	5 0	5 0	5 0	5 0	5 0	7 8	7 8	7 8	Pubna.		
													to	to	to			
													to	to	to	Darjeeling.		
													to	to	to			
J	12 0	12 0	12 12	3 4 0	3 4 0	3 2 0	7 8	7 8	7 8	6 0	7 0	6 0	10 0	10 0	10 0	Julpigores.		
													to	to	to			
													to	to	to	Dacca.		
													to	to	to			
K	12 0	12 0	12 12	3 0 0	3 0 0	3 0 0	4 0	4 0	4 0	5 0	5 0	5 0	10 0	8 0	8 0	Furrees pore.		
													to	to	to			
													to	to	to	Backergunge.		
													to	to	to			
L	10 8	10 8	12 0	3 5 4	3 5 4	3 4 0	6 0	6 0	5 0	5 0	5 0	6 0	10 0	10 0	10 0	Mymensingh.		
													to	to	to			
													to	to	to			
													to	to	to			
M	12 0	11 6	12 6	3 5 0	3 6 0	3 1 6	5 0	6 0	2 8	5 0	5 0	6 0	12 0	15 0	11 0			
													to	to	to			
													to	to	to			
													to	to	to			
N	9 0	9 0	8 0	4 4 0	4 4 0	4 2 0	7 0	7 8	4 0	8 0	8 0	8 0	15 0	18 0	15 0			
													to	to	to			
													to	to	to			
													to	to	to			
O	11 0	12 0	12 0	3 6 0	3 4 0	3 2 0	8 0	8 0	7 0	7 0	8 0	7 0	20 0	20 0	15 0			
													to	to	to			
													to	to	to			
													to	to	to			
P	11 8	11 8	12 8	3 6 0	3 6 0	3 2 0	7 0	7 0	7 0	6 0	6 0	6 0	15 0	15 0	15 0			
													to	to	to			
													to	to	to			
													to	to	to			
Q	11 8	11 12	12 8	3 6 0	3 6 0	3 2 0	7 0	7 0	7 0	6 0	6 0	6 0	12 0	12 0	12 0			
													to	to	to			
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* Also food.

H In sub-divisions retail prices of salt per rupee were:—Jhenida and Narail 12 seers, Magura 10½ seers and Bongong 13 seers.

I In sub-divisions retail prices of salt per rupee were:—Lalbagh 12 seers, and Jungipore and Kandi 12½ seers.

J In Nowgong and Nattore sub-divisions retail price of salt 12 seers per rupee.

K In sub-divisions retail prices of salt per rupee were:—Gaibanda 9½ seers, Kurigram 12 seers.

L In Serajgunge retail price of salt 12 seers per rupee.

M In Aisore sub-division (at Fallacotta) retail price of salt 10 seers per rupee.

N In sub-divisions retail prices of salt per rupee were:—Manickgunge 11 seers, Moonsheegunge 10½ seers and Narsingunge 11½ seers.

O In sub-divisions retail prices of salt per rupee were:—Goalundo 12 seers and Madaripore 12½ seers.

P In sub-divisions retail prices of salt per rupee were:—Patnakhali 9 seers, Perozopore 11 seers, and Bhola 10½ seers.

Q In sub-divisions retail prices of salt per rupee were:—Kishoregunge 9½ seers, Atten 12 seers, Jamalpore and Sherpore 10 seers, and Netrokona 12½ seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts.—Concluded.																
22	Chittagong ...	16 0	16 0	16 0	...	...	...	15 0	13 0	13 0	17 12	18 0	16 0	...	...	...
23	Noakholly* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	Tipperah† ...	..	11 8	13 14	...	...	...	16 12	20 2	16 0	24 12	23 8	18 8	...	...	...
25	Chittagong Hill Tracts. Hill Tipperah	...	...	...	...	...	...	12 4½	11 6½	11 6	14 8½	13 5	12 4	...	...	...
		12 0	12 0	12 0	...	...	...	14 0	13 0	13 0	19 0	18 0	18 0	...	...	...
BEHAR.																
26	Patna ...	20 0	20 0	21 0	34 0	34 0	26 0	11 8	11 8	10 11	25 8	26 8	15 0	26 0	32 0	...
27	Gya ...	16 8	17 0	18 0	35 0	35 0	23 0	12 0	10 0	9 0	23 8	22 8	17 0	...	...	...
28	Shahabad ...	16 0	17 0	21 0	30 0	32 0	26 0	10 0	9 0	10 0	19 0	19 0	17 0	...	...	...
29	Durbhanga ...	19 12	19 14	17 8	33 0	30 0	30 0	14 8	14 6	9 8	21 0	22 0	18 0	23 0	22 0	...
30	Muzaffarpore ...	20 0	20 0	18 0	32 0	32 0	24 0	12 0	12 0	12 0	23 0	23 0	17 0	...	...	...
31	Saran ...	15 0	17 8	20 0	32 0	32 0	29 0	8 8	8 8	8 8	22 0	23 0	19 8	30 0	...	...
32	Chumparan ...	21 0	21 0	...	40 0	40 0	22 0	7 8	7 8	12 0	20 0	20 0	19 0	...	...	...
33	Monghyr ...	17 14	20 0	20 0	42 0	42 0	27 9	15 0	18 13	13 9	22 0	18 13	16 12	...	27 0	...
34	Bhagulpore ...	16 6	16 6	18 4	37 14	40 6	27 12	18 15	20 3	16 6	22 11	24 0	18 45	...	...	...
35	Farukhabad ...	18 0	18 0	17 0	...	...	...	21 0	23 0	19 0	22 0	24 0	21 0	...	...	...
36	Maldah ...	15 0	15 0	17 0	...	...	...	16 0	16 0	10 0	29 0	25 0	22 0	...	...	...
37	Sonthal Pergah. ...	13 8	14 8	16 0	...	...	...	23 0	25 0	12 0	31 0	33 0	22 0	...	...	...
ORISSA.																
38	Cuttack ...	11 13	13 2	15 12	...	...	...	13 2	13 2	10 8	21 0	18 6	18 6	...	...	...
39	Pooree ...	13 2	14 7	15 12	...	...	...	13 2	15 12	13 2	22 10	22 5	18 6	...	...	...
40	Balasore ...	16 0	16 0	14 0	13 0	13 0	10 0	13 0	13 0	13 0	24 0	24 0	20 0	...	...	...
CHOTA NAGPORE. South-Western Frontier Agency.																
41	Hazareebagh ...	18 0	19 0	17 0	20 0	18 0	...	13 0	13 0	12 0	20 0	23 0	21 0	...	...	...
42	Lohardugga ...	24 0	24 0	15 0	18 0	18 0	...	21 0	22 0	20 0	27 0	29 0	25 0	...	...	...
43	Singbhoom ...	24 0	24 0	24 0	24 0	24 0	24 0	28 0	28 0	26 0	32 0	32 0	28 0	...	...	...
44	Manbhoom ...	16 0	16 0	17 0	32 0	30 0	...	18 0	18 0	17 0	29 0	32 0	25 0	...	...	...

* Return not received.

† No wheat was brought to market for sale.

‡ In the interior the retail price of common

R In Cox's Bazar sub-division retail price of salt 12 seers per rupee.

S In sub-divisions retail prices of salt per rupee were:—Brahmunberiah 11 seers and Chhapore 11½ seers.

T In Buxar and Sasseram sub-divisions retail price of salt 12½ seers per rupee, and in Bhadoosh sub-division 11½ seers.

U In sub-divisions retail prices of salt per rupee were:—Madhubani 11 seers and Tajpore 12 seers.

V In Hajepore sub-division retail price of salt 12½ seers per rupee.

W In Sewan sub-division retail price of salt 12 seers per rupee.

X In B ga Serai and Jamui sub-divisions retail price of salt 11 seers per rupee.

Y In sub-divisions retail prices of salt per rupee were:—Banka and Sopoie 11 seers, and Maddapore 10½ seers.

Districts of Bengal during the Fortnight ending the 15th January 1887—(Concluded.)

WHOLESALE PRICES PER MAUND OF 40 SEERS.						AVERAGE WAGES PER MONTH.												DISTRICTS.
SALT.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			SYCE OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.				
12 0	12 0	13 0	3 2 0	3 2 0	2 13 0	9 0	9 8	9 8	7 0	7 0	7 0	7 0	7 0	7 0	Chittagong.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
11 0	11 0	11 0	3 2 0	3 2 0	2 13 0	11 0	11 0	11 0	8 0	8 0	8 0	12 0	11 0	11 0				
...	7 0	7 0	7 0	5 0	5 0	5 0	7 0	7 0	7 0	Noakholly.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
10 0	10 0	10 0	3 2 0	3 2 0	2 13 0	8 0	8 0	8 0	7 0	7 0	7 0	15 0	14 0	14 0				
...	6 0	6 0	6 0	5 0	5 0	5 0	6 0	6 0	6 0	Tipperah.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
9 0	9 0	9 0	4 8 0	4 8 0	4 8 0	9 6	9 6	9 6	...	...	...	...	...	...
11 0	11 0	11 0	3 4 0	3 4 0	3 4 0	8 0	8 0	7 8	6 0	6 0	6 0	15 0	15 0	14 0	Chittagong Hill Tracts. Hill Tipperah			
Eastern Districts.—Concluded.																		
11 8	11 8	11 8	3 1 6	3 1 6	3 1 6	4 0	4 0	4 0	4 8	4 8	4 8	6 0	6 0	6 0	Patna.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
10 0	10 0	10 0	3 5 0	3 5 0	3 5 0	5 0	5 0	5 0	5 0	5 0	5 0	8 0	8 0	8 0				
...	2 8	2 8	2 8	3 0	3 0	3 0	6 0	5 8	5 0	Gya.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
13 0	12 0	12 8	3 5 0	3 5 0	3 2 0	5 0	5 0	5 0	5 0	6 0	5 0	7 8	7 8	7 8				
...	2 12	2 13	2 13	2 8	3 0	3 0	3 8	3 12	3 12	Shahabad.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
13 0	13 0	11 8	3 0 0	3 0 0	3 4 0	5 0	5 0	5 0	5 0	5 0	5 0	9 0	9 6	9 6				
...	3 0	3 0	3 0	3 0	3 0	3 0	6 0	6 0	5 10	Darbhanga.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
12 0	12 0	12 0	3 5 0	3 4 0	3 4 0	4 0	4 0	4 0	4 0	4 0	4 0	8 0	8 0	11 4				
...	3 12	3 12	3 12	4 0	4 0	4 0	6 9	6 9	6 9	Muzafferpore.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
12 0	12 0	11 8	3 2 6	3 2 6	3 3 0	6 9	7 8	6 9	6 0	6 0	6 0	10 0	10 0	10 0				
...	6 8	6 8	6 8	4 0	4 8	4 0	7 8	8 0	8 0	Saran.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
12 0	12 0	12 0	3 4 0	3 4 0	3 4 0	6 8	6 8	6 8	4 0	4 8	4 0	7 8	8 0	8 0				
...	4 0	4 0	4 0	3 0	3 0	3 0	5 10	5 0	5 10	Chumparan.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
12 1	12 1	13 2	3 4 0	3 4 0	2 14 6	3 12	4 0	3 12	4 0	4 0	4 0	7 8	12 0	7 8				
...	5 0	5 0	5 0	5 0	5 0	5 0	10 0	10 0	10 0	Monghyr.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
12 10	12 10	12 10	3 1 3	3 0 9	3 0 6	4 8	4 0	3 12	4 0	4 0	4 0	7 0	6 0	8 0				
...	6 0	5 0	5 10	5 0	5 0	5 0	12 0	10 0	10 0	Bhagulpore.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
10 8	10 8	10 8	3 10 0	3 10 0	3 10 3	4 11	4 11	4 11	4 0	4 0	4 0	7 0	7 0	7 0				
...	5 10	5 10	5 10	5 0	6 0	5 0	16 0	16 0	16 0	Purnea.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
12 0	11 0	12 0	3 4 0	3 5 0	3 4 0	4 8	7 8	5 10	5 0	5 0	5 0	7 8	8 0	7 8				
...	5 0	11 4	10 0	11 4	Malda.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
12 0	12 0	13 0	3 3 0	3 3 0	3 0 9	3 12	3 12	3 12	5 0	5 0	5 0	7 8	4 0	7 8				
...	9 6	5 0	9 6	Sonthal Pargana.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
14 0	14 0	14 0	2 12 0	2 12 0	2 12 0	5 10	5 10	5 10	4 0	4 0	4 0	7 8	7 0	7 8				
...	10 0	10 0	10 0	Cuttack.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
14 7	14 7	14 7	2 10 0	2 10 0	2 10 0	6 0	5 0	6 0	5 0	5 0	5 0	8 0	8 0	8 0				
...	10 0	10 0	10 0	Purree.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
10 8	10 8	10 8	3 8 0	3 8 0	3 8 0	5 10	5 2 6	4 11	4 0	4 0	4 0	7 8	7 8	7 8				
...	9 0	9 0	9 0	Balasore.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
9 0	9 0	10 0	3 12 0	3 12 0	3 10 0	3 12	3 12	3 12	3 0	4 0	4 0	8 0	8 0	8 0		Hazaribagh.		
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
10 0	10 0	10 8	3 12 0	3 12 0	3 8 0	3 4 6	3 0	3 0	3 0	3 8	3 8	6 0	6 0	6 0				
...	12 0	12 0	12 0	Lohardugga.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	3 0	3 0	3 0	4 8	4 8	4 8	12 0	12 0	12 0				
...	19 0	12 0	12 0	Singbhoom.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
10 10	10 10	10 10	3 8 0	3 6 0	3 6 0	4 11	4 11	4 11	4 0	4 0	4 0	9 6	10 0	10 0				
...	15 0	Manbhoom.			
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				

Notes 21 to 26: seers per rupee.

2. In sub-divisions retail prices of salt per rupee were:—Kissengunge 10 seers and Arrareah (at Ranigunge) 12 seers.

21. In sub-divisions retail price of salt per rupee were:—Gouda 11 seers, Rajmehal 10 seers, Pakour 12 seers, and Jantara 13 seers.

22. In Khoorda sub-division retail price of salt 14 seers per rupee.

23. In Boudruck sub-division retail price of salt 9 seers per rupee.

24. In Giridi sub-division (at Kharagdiha) retail price of salt 12 seers per rupee.

Published for general information.

P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARKETS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 9	2 11 9	5 10 0	1 5 0	1 10 3	2 0 0	3 8 0	3 8 0	6 0 0	1 15 0	1 15 9	...
2	Serajgunge ...	...	...	...	...	...	...	3 14 0	3 14 0	4 4 0	2 2 0	2 0 0	2 7 0
3	Dacca ...	2 5 0	2 5 0	2 8 0	1 8 0	1 8 0	1 6 0	2 7 0	2 9 0	2 12 0	2 3 0	2 3 0	2 4 0
4	Naraingunge ...	...	...	...	...	...	...	2 6 0	2 6 0	...	2 0 0	2 0 0	...
5	Chittagong ...	2 6 0	2 6 0	2 6 0	...	...	...	2 10 0	2 12 0	2 14 0	2 2 0	2 0 0	2 6 0
6	Patna ...	1 13 0	1 13 0	1 10 9	1 2 6	1 2 6	1 4 0	3 0 0	3 0 0	3 5 0	1 8 0	1 7 3	2 4 0
7	Balasore ...	2 4 0	2 4 0	2 12 0	3 0 0	3 0 0	3 3 0	3 0 0	3 0 0	3 0 0	1 8 0	1 10 0	1 14 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 8 0	1 11 0	2 1 0
9	Custack ...	3 4 0	3 0 0	2 5 0	...	...	...	3 0 0	3 0 0	3 10 0	1 11 0	2 2 0	2 0 0

CALCUTTA,
The 25th January 1887.

Undermentioned *Marts* of Bengal during the fortnight ending 15th January 1887.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer Arietinum</i> .)			INDIAN-CORN OR MAIZE. (<i>Zea Mays</i> .)			ARHAR OR THUR LADJAN PRA. (<i>Cajanus indicus</i> .)			FIREWOOD.			SALT			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 11 3	1 10 0	2 3 0	1 4 0	1 4 0	1 14 0	1 15 0	2 0 0	2 0 0	0 7 0	0 7 0	0 6 3	3 0 0	3 0 0	2 11 0	Calcutta.
1 14 6	1 12 6	2 8 0	...	...	...	...	...	...	...	...	...	3 5 6	3 1 4	2 8 0	Serajunge.
2 2 0	2 2 0	2 8 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 0	3 8 0	3 8 0	3 2 0	Dacca.
2 0 0	2 0 0	...	...	...	...	...	...	...	0 6 0	0 6 0	...	3 2 0	3 2 0	...	Naraingunge.
2 6 0	2 8 0	2 12 0	...	...	...	3 12 0	3 8 0	3 12 0	0 8 0	0 8 0	0 4 0	3 2 0	3 2 0	2 13 0	Chittagong.
1 3 6	1 3 6	1 8 0	1 3 0	1 0 0	1 8 0	1 2 6	1 2 6	1 9 6	0 5 3	0 5 3	5 2 0	3 1 6	3 1 6	3 1 6	Patna.
2 3 0	2 8 0	2 10 0	3 0 0	3 0 0	...	0 5 0	0 5 0	0 4 0	3 8 0	3 8 0	3 8 0	Balasore.
...	2 10 0	2 10 0	2 10 0	Pooree.
2 5 0	2 2 0	2 0 0	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

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P. NOLAN,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.														
			AIR PRESSURE.			WIND.		TEMPERATURE.									
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.		
CHITTA NAAGPUR.	Poorce	Gopalpore	29.948	29.998	—	Calm	103	81.2	17th	Jan.	60.0	18th	Jan.	79.6	67.6	73.6	—
		False Point	29.983	30.005	—115	NE	178	83.4	16th	..	56.5	18th	..	80.0	61.7	70.8	+1.5
	Cuttack	Cuttack	29.920	30.004	—108	ESE	31	86.9	17th	..	56.4	18th & 19th	Jan.	84.5	59.5	72.0	—0.7
	Balasore	Balasore	29.968	30.029	—	Calm	37.4	82.9	16th	..	55.5	18th	..	79.5	57.3	68.4	—
	South-West Midnapore	Saugor Island	29.980	30.077	—115	NNE	158	80.2	21st	..	54.8	17th	..	76.6	59.7	68.2	—0.4
SOUTH-WEST BENGAL.	South 24-Pergunnahs	Midnapore	29.826	30.023	—	N	92.3	83.3	16th	..	51.2	17th	..	80.3	56.4	68.4	—
	Howrah	Calcutta	30.009	30.022	—110	NE	86	79.1	16th	..	52.3	19th	..	75.5	55.9	65.7	—0.9
	Hooghly																
	Burdwan	Burdwan	29.926	30.051	—103	Northerly	46.9	79.5	16th & 20th	Jan.	48.3	18th	..	77.0	54.5	65.7	—0.7
	Bankoora	Bankoora	29.707	—	—	WNW	19	80.1	20th	..	50.3	17th	..	76.0	55.6	65.8	—
	Beerbhoom	Raneegunge	29.683	—	—	NW	94.3	79.0	20th	..	49.2	18th	..	74.6	55.3	65.0	—
	West Burdwan																
	Moorsheadabad	Berhampore	29.951	30.021	—109	NW	63.1	77.6	16th	..	49.1	18th	..	72.8	54.5	63.7	—1.9
	Nuddea	Krishnagur	29.981	—	—	NW	71.9	79.5	16th	..	49.7	18th	..	75.9	51.9	63.9	—
	Jessore	Jessore	29.907	30.032	—107.9	Northerly	45.2	79.7	16th	..	47.1	19th	..	76.1	52.0	64.1	—2.0
EAST BENGAL.	Khoolna																
	Chittagong	Chittagong	29.916	30.009	—108.4	NNE	58	81.6	15th	..	50.2	18th	..	77.9	55.0	66.5	—0.6
	Chittagong Hill Tracts	Demagiri						Observations not received.									
	Backergunge	Barrisal	29.992	30.005	—	N	69.9	78.3	15th	..	50.1	17th & 18th	Jan.	74.5	51.9	64.7	—
	Noakholly	Noakholly	29.903	30.008	—	NW	43.9	79.0	15th	..	47.1	18th	..	76.8	51.7	64.3	—
	Furreedpore	Furreedpore	29.873	—	—	N	52.6	73.3	15th	..	46.0	18th	..	70.1	51.6	60.9	—
	Dacca	Dacca	29.997	30.020	—07.4	W	51	80.1	15th	..	50.1	17th & 18th	Jan.	76.1	54.1	65.1	—1.7
	Tipperah	Comillah	29.975	30.012	—	NW	28.1	81.4	17th	..	46.1	20th	..	78.7	56.6	64.7	—
	Mymensingh	Mymensingh	29.966	—	—	Variable	56	70.4	15th & 19th	Jan.	46.1	17th	..	67.5	50.4	59.0	—
NORTH BENGAL.	Bogra	Bogra	29.922	29.983	—	NW	53.6	75.8	16th	..	46.9	18th	..	71.8	52.3	62.1	—
	Pubna	Serajunge	29.965	30.014	—	N	59.1	77.2	15th	..	45.4	18th	..	72.9	50.9	61.6	—
	Rajshahye	Rampore Beaulah	29.933	30.008	—	NW	86.2	77.2	15th	..	46.7	18th	..	72.8	50.6	61.7	—
	Maldah	Maldah	?	—	—	Northerly	36.3	74.8	15th	..	46.7	18th	..	73.4	52.5	63.0	—
	Dinapore	Dinapore	29.875	30.002	—	Westerly	81	74.6	16th	..	44.8	17th	..	70.2	49.3	60.0	—
	Rungpore	Rungpore	29.897	30.029	—	NE	76	74.0	16th	..	45.8	16th	..	69.5	50.9	60.2	—
	Julpigoree	Julpigoree	29.709	30.012	—	NE	67.9	73.9	16th	..	46.5	16th	..	69.6	50.5	60.1	—
	Cooch Behar																
	Darjeeling Hill Districts	Darjeeling	22.8729	—	—156.7	Calm	125.7	48.2	16th	..	30.1	21st	..	41.3	32.2	36.7	—4.3
	Purneah	Purneah	29.888	30.022	—118	Calm	32.0	73.2	16th	..	44.9	17th	..	68.8	50.4	59.6	—2.4
SOUTH BENGAL.	North Bhagulpore																
	Mozufferpore	Mozufferpore						Observations suspended.									
	Durbhunga	Durbhunga	29.844	30.021	—107	WSW	166	72.2	15th	..	40.3	17th	..	68.7	53.0	60.9	—1.3
	Chumparan	Motihari	29.758	29.998	—	ESE	196.3	72.3	15th & 16th	Jan.	43.7	17th	..	67.8	48.8	58.3	—
	Sarun	Chupra	29.808	—	—	ENW	41.4	72.0	17th	..	46.0	17th	..	67.9	51.3	59.6	—
		Dehree	29.635	30.039	—	ENW	66.4	71.1	19th	..	48.0	17th	..	67.4	53.1	60.3	—
	Shahabad	Buxar	29.762	30.019	—	Variable	142.5	70.9	19th	..	43.4	17th	..	60.9	50.9	58.9	—
		Arrah	29.794	30.003	—	W	33.3	71.3	21st	..	45.9	17th	..	68.2	51.4	59.8	—
	Gya	Gya	29.657	30.065	—109.0	W	54.9	72.3	17th	..	47.5	17th	..	70.9	53.6	62.3	—1.2
	Patna	Bankipore	29.834	30.028	—113	W	76.8	71.2	16th	..	45.8	17th	..	68.7	51.5	60.1	—1.6
CHITTA NAAGPUR.	South Bhagulpore																
	Monghyr	Bhagulpore	29.819	29.989	—	W	82	73.4	20th	..	46.0	17th	..	70.3	51.6	61.0	—
	Sonthal Pergunnahs	Doomka	29.493	—	—	NW	29.4	75.5	16th & 20th	Jan.	45.9	18th	..	71.1	51.8	61.5	—
	Hazaribagh	Hazaribagh	27.9417	30.0157	—100.7	WNW	162.6	75.9	20th	..	44.6	17th	..	68.2	46.5	58.9	—3.3
	Lohardugga																
CHITTA NAAGPUR.	Manbhoom	Ranchee	27.806	30.010	—	SW	113.2	76.5	20th	..	43.5	18th	..	69.7	49.4	59.6	—
	Singbhoom	Chyebassa	29.207	—	—	Easterly	32.3	83.5	20th	..	48.0	18th	..	79.8	54.4	67.1	—

Explanation. — Summary. — The normal means of air pressure and temperature are the arithmetical averages or means of the reading during the same period for the years 1871 to 1880. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the years 1871 to 1880, divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 21st January 1887.

DISTRICT OBSERVATIONS.															Representative station.	DISTRICT.	Meteological Division.
Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.									Average number of rainy days.	Normal number of rainy days.				
			Of week.		Since 1st of month.			Since 15th May 1886.									
			Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
68	0.4	Nil	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	ORISSA.	
69	1.6	Nil	0.11	0.07	0.14	0.13	+0.01	61.32	55.77	+5.55	0.3	0.2	False Point	...	Pooree		
67	0.1	Nil	Nil	0.03	0.09	0.12	-0.03	63.72	51.53	+12.19	0.0	0.1	Cuttack	...	Cuttack		
61	1.1	Nil	0.18	0.02	0.30	0.17	+0.13	57.74	53.61	+4.13	0.5	0.1	Balasore	...	Balasore	SOUTH-WEST BENGAL.	
67	2.1	0.28	0.09	0.04	0.33	0.21	+0.12	51.78	63.06	-11.28	0.3	0.2	Saugor Island	...	South-West Midnapore		
65	2.7	0.26	0.18	0.04	0.74	0.29	+0.45	46.56	51.82	-5.26	0.7	0.2	Midnapore	...	South 24-Pergunnahs		
66	1.6	0.12	0.22	0.03	0.79	0.26	+0.53	56.98	51.82	+5.16	1.0	0.2	Calcutta	...	Midnapore	SOUTH-WEST BENGAL.	
65	2.7	0.65	0.74	0.06	1.91	0.17	+0.84	53.07	46.23	+6.84	1.3	0.2	Bardwan	...	24-Pergunnahs		
62	2.7	0.28	0.51	0.01	0.74	0.09	+0.65	53.10	52.04	+1.06	1.5	0.1	Bankoora	...	Howrah		
64	3.4	0.55	1.05	0.03	1.58	0.25	+1.33	66.66	51.63	+15.03	1.8	0.2	Raneegunge	...	Hooghly	SOUTH-WEST BENGAL.	
77	2.9	1.25	1.23	0.02	1.77	0.24	+1.53	60.46	48.87	+11.59	2.2	0.1	Berhampore	...	Burdwan		
63	2.6	0.40	0.49	0.04	0.72	0.17	+0.55	55.19	49.00	+6.19	1.2	0.2	Krishnagar	...	Bankoora		
65	1.7	0.52	0.39	0.08	0.55	0.28	+0.27	58.90	53.43	+5.47	1.0	0.2	Jessore	...	Beerbhoom	SOUTH-WEST BENGAL.	
66	2.4	0.07	Nil	0.29	0.45	0.39	+0.06	127.34	113.72	+13.62	0.0	0.5	Chittagong	...	West Bardwan		
70	1.7	0.38	0.74	0.07	1.30	0.36	+1.03	76.31	77.90	-1.59	1.3	0.2	Barrisal	...	Moorshedabad		
61	1.4	0.33	0.54	0.06	2.13	0.42	+1.71	116.68	108.80	+7.88	1.0	0.2	Noakholly	...	Nuddea	EAST BENGAL.	
64	1.3	0.17	0.37	0.07	0.53	0.22	+0.31	60.16	55.88	+4.28	1.0	0.2	Furzedpore	...	Jessore		
67	2.0	0.21	0.24	0.04	0.56	0.17	+0.39	76.51	58.34	+18.17	1.0	0.2	Dacca	...	Klcoolna		
75	2.0	0.18	0.36	0.10	1.05	0.40	+0.65	76.98	70.84	+6.14	0.7	0.2	Commillah	...	Chittagong	EAST BENGAL.	
69	4.0	0.40	0.63	0.06	0.99	0.23	+0.76	67.53	67.36	+0.22	1.4	0.2	Mymensingh	...	Chittagong Hill Tracts		
68	2.9	0.63	0.73	0.03	1.21	0.20	+1.01	66.37	56.17	+10.20	1.5	0.2	Bogra	...	Backergunge		
76	3.1	0.77	0.60	0.05	1.12	0.22	+0.90	59.44	53.44	+6.00	1.5	0.2	Serajunge	...	Noakholly	NORTH BENGAL.	
70	2.4	0.95	0.87	0.02	1.50	0.34	+1.16	59.76	53.72	+6.04	1.5	0.1	Rampore Beaulah	...	Furzedpore		
70	2.0	1.02	1.20	0.02	1.46	0.24	+1.22	62.73	53.38	+9.35	2.0	0.1	Maldah	...	Dacca		
70	2.9	1.35	1.46	0.04	1.77	0.11	+1.66	74.08	53.59	+20.49	2.0	0.2	Dinapore	...	Tipperah	NORTH BENGAL.	
85	0.7	0.77	0.83	0.08	1.91	0.19	+1.72	73.82	73.22	+0.60	1.3	0.2	Rungpore	...	Mymensingh		
81	2.6	1.41	1.43	0.07	1.61	0.12	+1.49	109.76	110.42	-0.66	2.0	0.2	Julpigoree	...	Bogra		
86	7.1	1.02	1.94	0.15	2.57	0.27	+2.30	141.16	116.72	+24.44	3.2	0.5	Darjeeling	...	Pubna	NORTH BENGAL.	
80	3.4	2.34	2.04	0.06	2.59	0.19	+2.40	80.14	56.53	+23.61	2.0	0.2	Purneah	...	Rajshahye		
82			1.34	0.06	1.70	0.33	+1.37	61.11	41.85	+19.26	2.0	0.2	Mozufferpore	...	Maldah		
82	3.3	1.51	1.70	0.04	2.03	0.31	+1.72	63.13	42.90	+20.23	2.3	0.2	Durbhunga	...	Dinapore	NORTH BENGAL.	
70	4.4	1.14	0.10	0.06	1.13	0.35	+0.78	62.03	45.19	+16.84	2.0	0.2	Motihari	...	North Bhagulpore		
79	4.6	1.59	1.38	0.06	1.75	0.27	+1.48	62.93	41.25	+21.68	2.0	0.2	Chupra	...	Mozufferpore		
71	2.9	0.85											Dehree	...	Durbhunga	NORTH BENGAL.	
73	4.7	0.99	0.82	0.07	1.43	0.39	+1.04	56.22	39.16	+17.06	1.8	0.3	Buxar	...	Chumparan		
80	5.3	0.96											Arrah	...	Saran		
80	4.9	0.42	0.74	0.12	1.58	0.31	+1.27	65.81	59.86	+5.95	2.0	0.3	Gya	...	Shahabad	SOUTH BENGAL.	
77	4.3	0.94	1.18	0.05	1.85	0.27	+1.58	60.99	40.14	+20.85	2.0	0.3	Bankipore	...	Gya		
70	2.6	1.82	1.59	0.06	2.48	0.22	+2.26	60.90	41.84	+19.06	1.2	0.3	Bhagulpore	...	Patna		
81	1.4	1.27	1.14	0.06	1.67	0.18	+1.49	71.40	48.82	+22.58	1.5	0.2	Doonka	...	South Bhagulpore	SOUTH BENGAL.	
80	4.1	1.12	0.80	0.02	2.02	0.12	+1.90	58.74	49.71	+9.03	1.6	0.2	Hazaribagh	...	Monghyr		
79	4.1	1.40	0.94	0.05	2.19	0.21	+1.98	50.30	47.03	+3.27	2.2	0.2	Ranchee	...	South Bhagulpore		
80	3.1	0.21	0.18	0.15	0.31	0.37	-0.06	43.81	51.72	-7.91	1.0	0.5	Chyobassa	...	Lohardugga	CHITTA NAG-PUR.	
															Manbhoom		

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.

The means of the district are the numerical average of the rainfall return received in the district, i.e., from the total rainfall at the sub-divisions.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of January 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1886.	Average rainfall from 15th May to date.
			Saturday, 15th January.	Sunday, 16th January.	Monday, 17th January.	Tuesday, 18th January.	Wednesday, 19th January.	Thursday, 20th January.	Friday, 21st January.	Number of rainy days.	Rainfall of week.				
ORISSA	Pooree	Pooree	...	...	...	...	...	...	...	Nil	Nil	Nil	0.09	54.61	51.96
		Khurdah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.15	55.99	56.72
		Bampur	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	60.57	49.24
		False Point	...	...	...	...	...	...	0.45	1	0.45	0.55	0.25	57.96	66.87
		Gop	...	...	...	...	...	...	...	Nil	Nil	Nil	?	66.03	?
	Cuttack	Pipli	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Jagatsingapore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.11	68.36	51.43
		Banki	...	...	...	...	...	...	...	Nil	Nil	0.40	0.02	69.52	49.71
		Cuttack	...	...	...	...	...	...	...	Nil	Nil	0.02	0.03	72.72	55.34
		Kendrapara	...	...	...	...	...	...	...	Nil	Nil	0.01	0.20	54.36	52.72
	Balasore	Jaipore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	62.60	52.40
		Dharmasalla	...	...	...	...	...	...	0.07	1	0.07	0.07	?	62.45	?
		Salipore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Chandbali	...	...	...	...	...	...	0.70	1	0.70	0.70	0.13	54.91	53.88
		Bhuddruck	...	...	...	...	...	...	...	Nil	Nil	Nil	0.08	56.04	51.62
SOUTH-WEST BENGAL.	Midnapore	Sorah	...	...	...	...	...	0.28	0.08	2	0.36	0.36	0.09	57.73	51.94
		Balasore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	62.73	57.90
		Jellapore	...	...	...	...	...	...	...	Nil	Nil	0.25	0.33	61.39	51.81
		Baripoddah	...	...	...	...	...	...	...	Nil	Nil	0.46	0.20	53.56	55.28
	24-Pergunnahs	Contai	...	...	...	...	...	...	...	Nil	Nil	Nil	0.16	41.53	63.21
		Saugor Island	...	...	...	...	...	...	0.28	1	0.28	0.37	0.18	62.25	67.18
		Tumlook	...	...	...	...	...	...	...	Nil	Nil	0.40	0.21	46.10	51.25
		Midnapore	...	...	...	...	...	...	0.26	1	0.26	0.38	0.31	43.97	49.32
		Ghattal	...	...	...	...	...	...	0.28	1	0.28	0.84	0.35	49.62	55.11
		Devog	...	...	...	...	...	...	...	Nil	Nil	0.37	?	39.36	?
		Heria	...	...	...	...	...	...	...	Nil	Nil	Nil	?	47.47	?
		Bhagwanpore	...	...	...	...	...	...	0.14	1	0.14	0.4	?	43.50	?
		Garbeta	...	...	...	...	...	...	0.46	1	0.46	0.46	?	49.47	?
		Diamond Harbour	...	...	...	...	...	...	...	Nil	Nil	0.64	0.30	51.57	59.06
	Howrah	Canning Town	...	...	...	...	...	...	...	Nil	Nil	0.19	?	58.27	?
		Alipore Jail	...	...	...	...	...	...	0.18	1	0.18	1.46	0.41	58.83	53.36
		Barrackpore	...	...	...	...	...	...	0.45	1	0.45	0.93	0.28	54.96	49.14
		Dum-Dum	...	...	...	...	...	...	0.18	1	0.18	1.01	0.27	53.11	52.09
		Baraset	...	...	...	...	...	...	0.30	1	0.30	0.82	0.24	57.59	49.97
	Hooghly	Buseerhat	...	...	...	...	...	...	0.09	1	0.09	0.09	0.28	66.22	53.24
		Howrah	...	...	...	...	...	...	0.24	1	0.24	0.09	0.33	51.74	51.71
		Mohesreka (Oloberia)	...	...	...	...	...	...	0.07	1	0.07	0.87	0.32	54.49	53.06
		Hooghly	...	...	...	...	...	...	0.12	1	0.12	0.57	0.20	57.50	59.46
		Hooghly	...	...	...	...	...	...	0.47	1	0.47	0.82	0.18	53.97	49.98
	Burdwan	Jehanabad	...	...	...	...	...	...	0.12	1	0.12	0.32	0.12	61.52	54.44
		Culina	...	...	...	...	...	...	0.76	1	0.76	0.94	0.16	52.98	44.01
		Burdwan	...	...	...	...	...	...	0.65	1	0.65	0.80	0.10	57.42	47.45
		Cutwa	...	...	...	...	...	...	0.25	2	0.50	1.29	0.23	48.86	47.21
		Raneegunge	...	...	...	...	...	...	0.01	2	0.02	1.09	0.15	66.05	48.02
	Bankoora	Mankur	...	...	...	...	...	...	0.41	1	0.41	0.76	?	62.76	?
		Bankoora	...	...	...	...	...	...	0.28	1	0.28	0.53	0.09	51.78	51.54
		Bishenpore	...	...	...	...	...	...	0.14	1	0.14	0.25	0.08	50.43	50.81
		Maliara	...	...	...	...	...	...	0.05	2	1.03	1.35	0.03	58.60	48.39
		Khatra	...	0.65	...	...	...	...	0.52	2	0.57	0.78	0.15	51.32	47.45
		Indas	...	...	...	...	...	...	0.80	1	0.80	0.92	?	49.28	?
		Kotalpore	...	...	...	...	...	...	0.09	1	0.09	0.35	?	43.71	?
		Anda	...	...	...	...	...	...	...	?	?	?	?	?	?
		Gangajalghati	...	...	...	...	...	...	0.41	2	0.86	1.06	?	56.85	?
		Kaipore	...	...	...	...	...	...	0.10	1	0.10	0.12	?	55.88	?
		Sonamukhi	...	...	...	...	...	...	1.00	1	1.00	1.30	?	37.99	?
	Beerbhoom	Bh. Soory	...	...	...	...	...	...	0.20	2	0.81	1.43	0.24	67.97	53.14
		Hetampore	...	...	...	...	...	...	1.19	1	1.19	1.05	0.31	66.77	53.81
		Rampore Haut	...	...	...	...	...	...	0.70	2	1.65	2.15	0.27	63.77	39.47
		Bolpore	...	...	...	...	...	...	0.83	1	0.83	0.83	?	64.65	?
	Nuddes	Ranaghat	...	...	...	...	...	...	0.57	1	0.57	0.81	0.13	50.93	47.94
		Kishnaghat	...	...	...	...	...	...	0.40	1	0.40	0.58	0.16	49.98	45.74
		Choonadanga	...	...	...	...	...	...	0.41	1	0.41	0.68	0.21	54.66	47.19
		Meherpore	...	...	...	...	...	...	0.15	2	0.47	0.55	0.32	53.45	47.19
	Khoolna	Kooshies	...	...	...	...	...	...	0.60	1	0.60	0.98	0.15	67.41	55.26
		Satkira	...	...	...	...	...	...	0.68	1	0.68	0.68	0.30	56.63	53.35
		Bagirhat	...	...	...	...	...	...	0.40	1	0.40	0.61	0.40	75.82	61.21
		Khoolna	...	...	...	...	...	...	0.29	1	0.29	0.49	0.40	47.34	55.85
	Jessore	Narail	...	...	...	...	...	...	0.41	1	0.41	0.76	0.34	51.66	46.95
		Jessore	...	...	...	...	...	...	0.52	1	0.52	0.89	0.29	54.94	53.09
		Jhenidah	...	...	...	...	...	...	0.59	1	0.59	0.70	0.19	61.81	53.07
		Mngoorah	...	...	...	...	...	...	0.20	1	0.20	0.28	0.13	61.52	45.65
		Bongong	...	...	...	...	...	...	...	?	?	?	?	?	?
	Moorshedabad	Kandi	...	...	...	...	...	...	0.20	1	0.20	0.91	0.15	52.79	50.03
		Berhampore	...	...	...	...	...	...	0.53	2	1.24	1.97	0.31	58.05	54.22
		Lalbagh	...	...	...	...	...	...	0.98	2	1.25	1.79	0.02	61.62	46.25
		Azimungo		...	...	...	...	...	...	0.50	2	1.61	1.95	0.02	62.72	50.24
		Jungipore		...	...	...	...	...	...	0.63	2	1.62	2.16	0.36	64.72	46.94
		Lalgaon		...	...	...	...	...	...	0.20	2	0.83	1.31	0.32	68.58	49.45
	Chittagong	Akhrganj	...	...	...	...	...	...	0.60	2	0.90	1.39	0.38	68.59	?
		Kandi	...	...	...	...	...	...	1.25	1	1.25	2.03	?	?	?
		Cox's Bazar	...	...	...	...	...	...	...	Nil	Nil	0.86	0.35	155.61	124.31
		Chittagong	...	...	...	...	...	...	...	Nil	Nil	0.93	0.43	121.06	92.9
	Chittagong Hill Tracts.	Kutubdia	...	...	...	...	...	...	...	Nil	Nil	0.15	?	115.98	?
		Sakanya	...	...	...	...	...	...	...	Nil	Nil	?	?	110.31	?
		Rangamati	...	...	...	...	...	...	0.35	1	0.35	0.66	0.37	96.76	87.9
		Kuma	...	...	...	...	...	...	0.50	1	0.50	0.50	0.23	84.32	84.1
	Backergunge	Patuakhally	...	...	...	...	...	...	0.77	1	0.77	0.77	0.45	79.04	88.9
		Persepore	...	...	...	...	...	...	0.55	2	0.96	2.16	0.34	77.44	69.2
		Burrisal	...	...	...	...	...	...	0.46	1	0.46	1.59	0.45	62.40	68.9
		Bhola	...	...	...	...	...	...	0.75	1	0.75	1.09	0.22	86.25	84.9

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of January 1887—contd.

Geographical Division.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1886.	Average rainfall from 15th May to date.	
			Saturday, 16th January.	Sunday, 17th January.	Monday, 18th January.	Tuesday, 19th January.	Wednesday, 20th January.	Thursday, 21st January.	Friday, 22nd January.	Number of rainy days.	Rainfall of week.					
NORTH-BENGAL	Noakholly	Gournaddi	0.42	1	0.42	0.58	?	63.37	?	
		Bauphal	0.53	1	0.53	0.53	?	83.59	?	
		Noakholly	0.37	122.61	108.50	
		Fenny	0.75	1	0.75	2.65	0.46	107.79	107.79	
	Furreedpore	Harishpore	?	?	?	
		Ramganj	?	?	?	
		Madaripore	0.46	1	0.46	0.62	0.33	67.61	55.88	
	Firozpur	Furreedpore	0.15	1	0.15	0.22	0.10	58.58	58.58	
		Goalundo	0.50	1	0.50	0.75	0.21	54.29	53.78	
		Munshigunge	0.19	1	0.19	0.43	0.28	95.23	70.30	
		Dacca	0.21	1	0.21	0.59	0.19	67.86	58.47	
	SOUTH-BENGAL	Hill Tipperah	Narainkunge	0.35	1	0.35	0.72	Nil	88.28	54.21
Manickgunge			0.21	1	0.21	0.71	0.21	58.68	50.52	
Joydebpore			0.12	1	0.12	1.29	?	70.21	?	
Agartola			0.96	1	0.96	1.38	0.46	65.41	62.18	
Tipperah		Comilla	0.12	2	0.18	1.02	0.44	85.36	77.07	
		Chandpore	0.30	1	0.30	1.00	0.18	88.05	81.63	
		Brahmanberia	0.49	65.61	62.75	
		Ramchandrapore.	0.21	1	0.21	0.91	?	?	?	
Mymensingh		Nasirnagar	Nil	Nil	0.14	?	53.63	?	
		Daudkandi	?	?	?	
		Kasba	0.23	1	0.23	1.23	?	69.04	?	
		Laksham	0.58	1	0.58	1.52	?	90.58	?	
SOUTH-BENGAL	Mymensingh	Kishoregunge	0.33	2	0.53	1.20	0.40	74.51	70.94	
		Atin (Tangail)	0.85	1	0.85	1.38	0.27	54.61	50.32	
		Mymensingh	0.37	1	0.37	0.71	0.18	68.79	74.37	
		Jamalpur	0.81	2	1.18	1.18	0.28	61.40	65.94	
	Durgapore	Netrokona	0.23	1	0.23	0.46	Nil	78.55	70.13	
		Subornakhaty	0.74	1	0.74	1.15	?	44.87	?	
		Durgapore	0.10	0.13	3	0.63	1.59	?	?	?	
		Dewanganj	0.29	1	0.29	0.69	?	62.80	?	
	Pubna	Pubna	0.12	2	0.45	0.97	0.19	61.56	54.35	
		Seraingunge	0.75	1	0.75	1.28	0.24	67.31	62.56	
		Bogra	Sherpore	0.99	1	0.99	1.30	0.21	63.63	57.98
			Nowkhilla	0.18	1	0.18	1.12	0.23	62.05	53.56
Bogra	.....		.....	.....	.....	.....	.....	0.64	1	0.64	1.18	0.24	60.18	59.74
Rajshahy	Panchbibi	.....	.....	.....	.....	.....	.....	0.50	1	0.50	1.11	0.15	71.61	54.84
	Bauleah	.....	.....	.....	.....	.....	.....	0.24	2	0.62	1.20	0.30	61.98	62.35
	Natore	.....	.....	.....	.....	.....	.....	0.53	1	0.53	1.78	0.57	57.51	55.18
	Nowkong	.....	.....	.....	.....	.....	.....	0.80	1	0.80	1.08	?	70.02	?
Maldah	Lalpara	.....	.....	.....	.....	.....	.....	1.05	1	1.05	2.11	?	61.91	?
	Manda	.....	.....	.....	.....	.....	.....	0.71	1	0.71	0.87	?	50.98	?
	Dinapore	Maldah	0.45	1	0.45	1.02	0.22	72.32	50.29	
		Chanchal	1.32	1	1.32	1.49	0.32	53.12	58.55	
Gajol		.....	.....	.....	.....	.....	.....	0.96	1	0.96	1.32	?	67.88	?
Dinapore	Sibganj	.....	.....	.....	.....	.....	.....	0.90	1	0.90	2.37	?	65.62	?
	Mohadebpore	.....	.....	.....	.....	.....	.....	0.90	1	0.90	1.91	0.06	78.38	55.15
	Churamon	.....	.....	.....	.....	.....	.....	1.83	2	1.89	1.96	0.03	60.50	50.45
	Raigunge	.....	.....	.....	.....	.....	.....	2.04	2	2.10	2.15	0.23	90.52	53.26
Rangpore	Dinapore	.....	.....	.....	.....	.....	.....	1.36	1	1.41	1.41	0.21	72.77	61.79
	Baloorghat	.....	.....	.....	.....	.....	.....	0.92	1	1.00	1.43	Nil	62.12	47.37
	Rangpore	Bhawanigunge	0.38	1	0.38	0.98	0.21	65.21	61.57	
		(Gyabanda.)	1	0.65	2.54	0.17	71.79	74.22	
Rangpore		.....	.....	.....	.....	.....	.....	0.95	1	0.95	1.31	0.26	80.62	73.10
Julpigore	Kurigram	.....	.....	.....	.....	.....	.....	0.62	1	0.62	2.75	0.42	82.20	84.00
	Bagdogra	.....	.....	.....	.....	.....	.....	1.32	2	1.36	2.75	0.42	82.20	84.00
	(Nilphamari.)	.....	.....	.....	.....	.....	.....	0.43	1	0.53	1.03	?	72.71	?
	Ulipore	.....	.....	.....	.....	.....	.....	0.43	2	0.53	1.03	?	72.71	?
Julpigore	Julpigore	.....	.....	.....	.....	.....	.....	1.74	1	1.74	1.92	0.16	127.83	115.31
	Alipore	0.22	.....	.....	.....	.....	0.22	1.15	1	1.15	1.57	?	137.10	?
	Falacotta	.....	.....	.....	.....	.....	.....	1.03	1	1.03	1.23	?	98.96	?
	Debiganj	.....	.....	.....	.....	.....	.....	1.35	1	1.35	1.76	?	?	?
Cooch Behar	Dumtaria	.....	.....	.....	.....	.....	.....	1.12	1	1.12	1.49	0.19	82.39	95.59
	Cooch Behar	.....	.....	.....	.....	.....	.....	1.20	1	1.20	1.45	0.15	108.11	118.66
	Mickligunge	.....	.....	.....	.....	.....	.....	1.27	1	1.27	1.43	0.04	115.67	104.85
	Matibhanga	.....	.....	.....	.....	.....	.....	1.31	1	1.31	1.49	0.07	114.45	116.97
Darjeeling Hill.	Buxa	0.34	0.09	.....	.....	.....	.....	1.62	4	2.25	4.28	0.50	228.18	191.67
	Siliguri	.....	.....	.....	.....	.....	.....	1.52	4	2.02	1.99	0.13	146.82	187.29
	Darjeeling	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.55	0.55	105.08	105.08
	Kalimpong	.....	.....	.....	.....	.....	.....	0.03	1	0.03	2.74	0.10	73.69	79.74
Purneah	Kissengunge	.....	.....	.....	.....	.....	.....	.....	1	2.02	3.26	0.19	66.77	66.77
	Arraeh	.....	.....	.....	.....	.....	.....	2.02	1	2.02	3.26	0.16	91.46	91.46
	Purneah	.....	.....	.....	.....	.....	.....	0.04	2	2.34	2.54	0.18	83.24	59.40
	Gondwara	.....	.....	.....	.....	.....	.....	2.25	1	2.25	2.55	?	?	?
North Bhatgaon	Balarampore	.....	.....	.....	.....	.....	.....	1.60	1	1.60	1.81	?	?	?
	Matari	.....	.....	.....	.....	.....	.....	1.78	1	1.78	1.98	?	79.82	?
	Kaliaganj	.....	.....	.....	.....	.....	.....	1.42	1	1.42	1.42	?	?	?
	Madaspore	.....	.....	.....	.....	.....	.....	1.72	1	1.72	2.03	0.27	59.53	48.35
North Bhatgaon	Sootool	.....	.....	.....	.....	.....	.....	0.18	3	0.63	1.96	0.17	58.50	46.67
	Protaganj	.....	.....	.....	.....	.....	.....	0.10	3	1.65	9.45	?	72.13	?
	Protaganj	.....	.....	.....	.....	.....	.....	0.92	2	2.02	2.02	?	?	?
	Durbhunga	Tajpore	1.20	2	1.67	2.01	0.41	74.17	41.18	
Durbhunga		.....	.....	.....	.....	.....	.....	1.43	2	1.51	1.74	0.23	67.31	44.43
Mishubani		.....	.....	.....	.....	.....	.....	0.09	3	1.91	2.33	0.29	57.92	41.14
Pahera		.....	.....	.....	.....	.....	.....	0.20	3	1.55	1.55	?	68.16	?
Mouafferpore	Kashera	.....	.....	.....	.....	.....	.....	0.50	3	1.65	1.74	?	70.69	?
	Sitamarhi	.....	.....	.....	.....	.....	.....	1.20	2	1.40	1.40	0.29	55.81	40.82
	Mouafferpore	.....	.....	.....	.....	.....	.....	0.11	2	1.11	1.55	0.43	67.7	44.04
	Hajipore	.....	.....	.....	.....	.....	.....	0.08	2	1.50	2.55	0.27	69.73	40.90
Dumaparan	Paru	.....	.....	.....	.....	.....	.....	1.10	1	1.10	1.10	?	51.65	?
	Mahua	.....	.....	.....	.....	.....	.....	1.67	1	1.67	1.87	?	55.69	?
	Sankar	.....	.....	.....	.....	.....	.....	1.50	1	1.50	1.50	?	69.27	?
	Peepi	.....	.....	.....	.....	.....	.....	1.94	2	2.03	2.15	?	58.29	?
Dumaparan	Mouhari	.....	.....	.....	.....	.....	.....	1.06	2	1.14	1.20	0.3	63.94	42.80
	Bettiah	.....	.....	.....	.....	.....	.....	0.95	2	1.07	1.07	0.21	70.12	47.40
	Bagaha	.....	.....	.....	.....	.....	.....	1.03	2	1.35	1.35	?	62.03	?
	Burhura	.....	.....	.....	.....	.....	.....	0.02	3	1.66	1.70	?	50.50	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 21st of January 1887—concluded

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May, 1886.	Average rain-fall from 1st May to date.
			Sunday, 15th January.	Sunday, 16th January.	Monday, 17th January.	Tuesday, 18th January.	Wednesday, 19th January.	Thursday, 20th January.	Friday, 21st January.	Number of rainy days.	Rainfall week.				
NORTH BEHAR—concluded.	Saran	Gopalgunge...	...	...	...	...	...	1'11	0'47	2	1'58	1'80	0'07	59'95	...
		Sewan...	...	...	...	...	...	1'16	0'15	2	1'31	1'58	0'45	59'91	...
SOUTH BEHAR	Shahabad	Chunar...	...	...	...	...	...	0'09	1'16	2	1'25	1'86	0'29	58'92	...
		Buxar...	...	...	...	...	...	0'18	0'94	2	1'12	1'78	0'51	49'88	...
		Dehree...	...	...	...	...	...	0'85	...	1	0'85	1'56	?	51'05	...
		Bhuboan...	...	...	...	...	...	0'30	0'50	2	0'80	1'27	0'42	53'06	...
		Sasseram...	...	...	...	...	...	0'40	...	1	0'40	1'16	0'26	53'67	...
		Arrah...	...	...	...	...	...	0'30	0'65	2	0'95	1'50	0'36	58'24	...
		Mohanias...	...	...	...	...	...	0'10	0'13	2	0'23	0'63	?	28'30	...
	Gya	Aurangabad...	...	...	...	...	...	0'37	...	1	0'37	1'59	0'30	66'84	...
		Gya...	...	...	...	...	...	0'02	0'39	3	0'42	1'36	0'25	66'98	...
		Nowadah...	...	...	...	...	...	0'07	1'05	2	1'12	1'75	0'30	65'33	...
		Jehanabad...	...	...	...	...	...	0'27	0'78	2	1'05	1'63	0'37	64'09	...
		Arwal...	...	...	...	...	...	0'25	0'81	2	1'06	1'61	?	64'18	...
		Daudnagar...	...	...	...	...	...	0'57	...	1	0'57	0'95	?	54'16	...
		Sherghati...	...	...	...	...	...	1'36	0'14	2	1'50	2'40	?	69'25	...
		Rajauli...	...	...	...	...	...	1'00	0'20	2	1'20	2'50	?	?	...
		Pakri Barawan...	...	...	...	...	...	1'11	...	1	1'11	2'01	?	68'62	...
	Patna	Patna...	...	...	...	...	...	0'12	0'82	2	0'94	1'45	0'32	65'08	...
		Dinapore...	...	...	...	...	...	0'16	0'95	2	1'11	2'05	0'25	71'80	...
		Behar...	...	...	...	...	...	0'43	1'40	2	1'83	3'04	0'27	55'92	...
		Barrh...	...	...	...	...	...	0'65	0'80	2	0'85	1'55	0'32	51'23	...
		Rickrum...	...	...	...	...	...	0'50	0'20	2	0'70	1'00	?	?	...
		Hilsa...	...	...	...	...	...	0'10	0'65	2	0'95	1'55	?	?	...
	Monkhyr	Begowserai...	...	...	...	...	...	2'05	...	1	2'05	3'09	0'18	52'42	...
		Monkhyr...	...	...	...	...	...	2'12	...	1	2'12	2'87	0'18	66'87	...
		Jamui...	...	...	...	...	...	0'04	1'03	2	1'07	2'39	0'28	59'88	...
		Gopri...	...	...	...	...	...	2'60	...	1	2'60	3'15	?	55'01	...
		Sheikpura...	...	...	...	...	...	0'13	0'85	2	1'00	1'80	?	63'16	...
	South Bhagalpore.	Bhagalpore...	...	...	...	...	...	1'82	...	1	1'82	2'23	0'18	64'83	...
		Banks...	...	...	...	...	...	1'47	...	1	1'47	1'76	0'27	69'44	...
		Kolgaug...	...	...	...	...	...	1'63	0'20	2	1'83	2'03	?	52'68	...
	Sonthal Pergunahs.	Rajmahal...	...	...	...	...	...	0'83	...	1	0'83	1'12	0'01	86'40	...
		Godda...	...	...	...	...	...	1'01	...	1	1'01	1'63	0'13	55'32	...
		Pakour...	...	...	...	...	...	0'79	0'13	2	0'92	1'45	0'09	85'01	...
		Nya Doomba...	...	...	...	...	...	0'08	0'31	2	1'29	1'93	0'41	71'07	...
		Deoghur...	...	...	...	...	...	0'88	...	1	0'88	1'28	0'21	61'34	...
		Jamtara...	...	...	...	...	...	0'94	0'96	2	1'90	2'57	0'15	68'30	...
		Simra...	...	...	...	...	...	1'80	...	1	1'80	2'06	?	56'94	...
		Nanhat...	...	...	...	...	...	1'40	...	1	1'40	2'64	?	?	...
ORISSA NAGPUR.	Hazaribagh	Pacnamba...	...	...	...	...	...	0'50	...	1	0'50	1'05	0'19	60'29	...
		(Giridi)...	...	...	...	...	...	0'25	0'72	3	1'07	2'60	0'20	58'65	...
		Hazaribagh...	...	...	...	...	...	1'00	...	1	1'00	2'13	0'04	52'94	...
		Semraguran...	...	...	...	...	...	...	...	1	...	...	0'13	...	...
		Anhudi Hills...	...	...	...	...	...	...	0'60	1	0'60	1'70	Nil	62'80	...
		Jhoomrah Hills...	...	...	...	...	...	0'60	0'25	2	0'85	3'49	?	69'58	...
		Barhi...	...	...	...	...	...	...	...	Nil	Nil	2'81	?	62'11	...
		Chatra...	...	...	...	...	...	...	...	3	1'97	2'91	?	65'09	...
		Karagdeha...	...	...	...	...	...	...	...	...	...	...	?	...	...
		Kamghar...	0'10	...	...	...	...	1'79	0'08	3	1'97	2'91	?	65'09	...
	Lohardugga	Lohardugga...	0'10	...	...	...	...	1'15	0'31	3	1'56	2'70	?	60'90	...
		Kanchi...	...	...	...	...	...	0'70	0'55	2	1'25	2'19	0'22	54'05	...
		Palamow...	0'04	...	...	...	...	0'84	0'39	3	1'18	4'10	?	51'22	...
		Silli...	...	...	...	...	...	0'30	...	1	0'30	0'37	?	46'71	...
		Baiumat...	...	...	...	...	...	...	...	...	...	...	?	...	...
		Hosseinabad...	...	...	...	...	...	0'04	...	1	0'04	1'23	?	?	...
		Warwah...	...	...	...	...	...	0'60	0'10	2	0'70	4'11	?	64'23	...
	Ningboom	Chyemasa...	...	...	...	...	...	...	0'18	1	0'18	0'31	0'37	43'81	...
		Chakradhar-pore...	0'03	...	...	...	...	...	0'19	2	0'22	0'85	?	57'05	...
		Ghatsilla...	...	...	...	...	...	0'52	1'02	2	1'54	1'79	?	56'59	...
		Baharagura...	...	...	...	...	...	...	...	...	...	...	?	...	...
	Manbhoom	Parula...	...	...	...	...	...	0'16	0'25	2	0'41	1'10	0'16	46'03	...
		Gobindapore...	...	...	...	...	...	0'80	0'12	2	0'92	1'37	0'30	49'80	...
		Raghunath-pore...	...	...	...	...	...	0'03	0'63	2	0'66	1'36	?	61'80	...
		Barrabhoom...	0'05	...	...	...	...	...	0'30	2	0'55	0'90	?	37'55	...
		Jhulda...	...	...	...	...	...	...	...	...	...	...	?	...	...
		Chas...	0'45	...	...	...	...	...	1'54	2	2'02	2'02	?	59'96	...

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 18th January 1887.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 21ST OF JANUARY 1887.

The chief feature of the meteorology of the past week in Northern India was the formation of a cold-weather depression and disturbance, the third during the present month. The storm was one of the largest and most remarkable of its class of recent years. A similar storm of nearly equal intensity occurred in January 1877. The present storm appears to have originated in the Punjab on Monday evening or Tuesday morning, commencing as a slight depression, which increased in amount, until the barometer in that area was about half an inch below its normal height. It gave a large and rapid fall of the barometer to the whole of India; but the decrease of pressure was greatest along the line of march of the central depression. The centre was in the eastern districts of the North-Western Provinces on Thursday morning, and passed through Central Behar into Bengal on Friday morning, when the depression and cyclonic movement of the air were less clearly defined than on the previous day. The general character of the weather was, however, unchanged in Bengal. Skies were overcast, and rain fell over the greater part of the Province. The central depression was more marked on Saturday morning, when it was in East Bengal over the mouth of the Megna. The wind directions at the Bengal stations showed at that time distinct convergence of the air to the centre. The depression either filled up or passed eastwards into Burmah during the day. Weather rapidly improved, and on Saturday evening fine clear weather was established again over the Province.

Skies began to cloud over in the western districts of the Province on Wednesday morning. Cloud formation extended rapidly eastwards, and on Thursday skies were densely clouded or overcast throughout the Province. Rain commenced to fall in the northern and western districts of Behar on Wednesday. General and heavy rain fell on Thursday over the whole of Behar and North Bengal, and the greater part of Chutia Nagpur. The amounts recorded at different stations varied between one inch and two-and-a-half inches. The rainfall was distributed with unusual uniformity over that area, and averaged about an inch for the whole of Behar and North Bengal on the 20th. A few showers were received on that day in other districts, chiefly in the western districts of South-West Bengal. The rainfall of the next day (21st) was most general and largest in amount in South-West and East Bengal, which received an average of nearly half an inch on that day. Showers, more or less local in character, also fell in other districts, more especially in the neighbourhood of the hills in North Behar and Bengal. The rainfall accompanying the march of the depression appears to have been heaviest and most general to the north and north-east of the central depression. The only division in which the rainfall of the week was practically nil is Orissa. North Behar received an average of 1.6 inches, South Behar 1.20 inches, North Bengal 1.1 inches, Chutia Nagpur .80 inch, South-West Bengal .52 inch, and East Bengal .45 inch. The normal rainfall of the week in each of these divisions is less than the tenth of an inch. Hence the abnormal character of the storm and accompanying rainfall may be estimated.

Pressure increased rapidly on Saturday after the disappearance of the second cold-weather disturbance of the month. It commenced to decrease on Sunday afternoon and fell rapidly for some days, through amounts averaging two-tenths of an inch, until Thursday morning in Behar, and until Friday or Saturday morning in East Bengal. The mean pressure of the week is hence very considerably below the normal. The deficiency slightly exceeded a tenth of an inch, except in Eastern and Central Bengal. It was (probably) absolutely greatest at Darjeeling (.156"), and least at Dacca (.074").

Temperature, as usual, decreased rapidly after the disappearance of the second storm of the month. As soon as the large depression of the present week began to influence the weather in Bengal, and give clouded skies, and increased humidity of the air, temperature increased rapidly. The effect of the disturbances of the week has been to give a mean maximum day temperature from 2° to 7° below the average in Bengal, Behar, and Chutia Nagpur, and a mean minimum night temperature slightly above the normal, except in Chutia Nagpur and at Darjeeling. The following table gives data for eight representative stations:—

Table showing the excess or defect of the actual temperature from the normal for the week ending 21st January 1887.

	Normal mean maximum temperature for the week ending 21st January 1887.	Actual mean maximum temperature for the week ending 21st January 1887.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 21st January 1887.	Actual mean minimum temperature for the week ending 21st January 1887.	Variation of actual from normal.	Normal mean daily temperature for the week ending 21st January 1887.	Actual mean daily temperature for the week ending 21st January 1887.	Variation of actual from normal.
Cuttack	84.5	84.5	0	60.9	59.5	-1.4	73.7	72.0	-0.7
Calcutta	87.3	71.5	-15.8	65.8	55.9	-9.9	66.6	65.7	-0.9
Burdwan	78.4	77.0	-1.4	54.3	54.5	+0.2	66.4	65.7	-0.7
Dacca	78.4	76.1	-2.3	54.1	54.1	0	66.8	65.1	-1.7
Purneah	75.6	68.8	-6.8	48.3	50.4	+2.1	62.0	59.6	-2.4
Bankipore	73.5	68.7	-4.8	50.0	51.5	+1.5	61.7	60.1	-1.6
Hazariabagh	73.3	68.2	-5.1	51.1	49.5	-1.6	62.2	58.9	-3.3
Darjeeling	46.0	41.3	-4.7	35.9	32.2	-3.7	41.0	39.7	-1.3

The general character of the distribution of the rainfall of the week has been already noticed. The Purneah district received an average slightly exceeding two inches. The following districts received averages varying between two and one-and-a-half inches:—Darjeeling, Bhagulpore, Durbhunga; and the following districts amounts between one-and-a-half inches and one inch:—Dinagopore, Julpigore, Sarun, Mozufferpore, Motihari, Maldah, Patna, Sonthal Pergunnahs, Moorshedabad, and Beerbhoom.

North Bengal, Chutia Nagpur and Behar have received, since the first of the month, average amounts ranging from one-and-a-half inches to two inches. South-West Bengal and East Bengal very nearly an inch, and Orissa only a tenth of an inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 21st of January 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.		Since 1st of month.		Since 15th May 1886.		
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	86.9	53.5	80.9	61.5	71.2	+0.4	0.10	0.04	+0.06	0.3	0.1	+0.2	0.18	0.15	61.13	53.43
South-West Bengal	83.3	47.1	76.1	55.1	65.6	-1.2	0.52	0.04	+0.48	1.2	0.2	+1.0	0.90	0.22	56.77	61.76
East Bengal	81.6	46.0	74.5	52.6	63.6	-1.1	0.45	0.09	+0.36	1.0	0.2	+0.8	0.97	0.30	80.95	74.60
North Bengal	77.2	44.8	71.5	51.1	61.3	—	1.10	0.05	+1.05	1.6	0.2	+1.4	1.56	0.19	76.90	69.13
North Behar	78.2	43.7	68.3	50.9	59.6	-1.9	1.60	0.06	+1.54	2.1	0.2	+1.9	1.98	0.27	67.00	46.94
South Behar	75.5	43.4	69.1	52.0	60.6	-1.4	1.20	0.06	+1.14	1.6	1.3	+1.3	1.85	0.32	63.71	42.34
Chutia Nagpur	76.5*	43.5*	69.0*	49.5*	59.3*	-3.3*	0.70*	0.05	+0.75	1.7	0.3	+1.4	1.94	0.18	53.92	48.83

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 25th January 1887.

JOHN ELIOT,
Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 16th to 22nd January 1887.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.				Rain.
		Mean.	Maximum.	Ran. e.	Minimum.		Vapour tension.	Dew point.	Humidity.		
1887.		°	°	°	°	°	Inches.	°	%	Inches.	
January	16th	65.8	?	?	57.9	60.5	.458	56.5	70	.....
"	17th	63.2	74.7	20.8	53.9	57.4	.397	52.6	68	.....
"	18th	63.3	74.4	21.1	53.3	56.7	.375	51.0	65	.....
"	19th	65.0	78.9	26.0	52.9	60.4	.466	57.0	75	.....
"	20th	68.2	79.9	22.2	57.7	63.5	.525	60.3	76	.....
"	21st	63.7	?	?	60.0	62.2	.541	61.2	92	0.13	
"	22nd	62.3	69.9	11.8	58.1	58.3	.435	55.1	77	0.12	

The mean temperature of the seven days ... 64.5
 The extreme variation of temperature ... 27.0
 The maximum temperature ... 79.9
 The mean relative humidity ... 75

The total fall of rain from 16th to 22nd January 1887 ... 0.25

The mean temperature and humidity are obtained by applying to the mean of the 10a, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 24th January 1887.

HENRY F. BLANFORD,
Meteorological Reporter to the Govt. of India.